Gene No.	12139	Strand	+
Start	13539	End	17354
Name	OJ991113_36.0128.C6.o5.np	Method	AAT/NAP
Start	14684	End	14978
GI	453244	Score	255
Exons	14684..14978		
GI Descrip.	(X77467) flavonoid 7-O-methyltransferase [Hordeum vulgare]		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12140	Strand	+
Start	24183	End	30851
Name	OJ991113_36.0128.C6.o1.gp	Method	AAT/GAP
Start	24183	End	26549
GI	3107009	Score	669
Exons	24183..24274, 25323..25411, 26359..26549		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12140	Strand	+
Start	24183	End	30851
Name	OJ991113_36.0128.C6.o7.gs	Method	GENSCAN
Start	25730	End	30851
GI	none	Score	.55
Exons	25730..25826, 26564..26698, 27512..27719, 28252..28289, 28594..29022, 29902..30851		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12141	Strand	+
Start	31263	End	33890
Name	OJ991113_36.0128.C6.o8.gs	Method	GENSCAN
Start	31263	End	32606
GI	none	Score	.9
Exons	31263..32606		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12141	Strand	+
Start	31263	End	33890
Name	OJ991113_36.0128.C6.o6.np	Method	AAT/NAP
Start	31647	End	33890
GI	2213632	Score	720
Exons	31647..32386, 33850..33890		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12142	Strand	+
Start	41636	End	47783
Name	OJ991113_36.0128.C6.o7.np	Method	AAT/NAP
Start	41636	End	47783
GI	5922631	Score	6596
Exons	41636..41760, 42019..42263, 42522..42724, 42770..43341, 43384..43535, 43662..44588, 45195..46761, 46837..47783		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the		

predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12143	Strand	-
Start	6949	End	12048
Name	OJ991113_36.0128.C6.o2.np	Method	AAT/NAP
Start	6949	End	11164
GI	6907089	Score	164
Exons	6949..6987, 7604..7750, 10645..11164		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12143	Strand	-
Start	6949	End	12048
Name	OJ991113_36.0128.C6.o3.gs	Method	GENSCAN
Start	7100	End	7608
GI	none	Score	.4
Exons	7100..7116, 7527..7608		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12143	Strand	-
Start	6949	End	12048
Name	OJ991113_36.0128.C6.o3.np	Method	AAT/NAP
Start	10341	End	12048
GI	6721512	Score	75
Exons	10341..10371, 11781..11919, 11961..12048		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12144	Strand	-
Start	41176	End	41935
Name	OJ991113_36.0128.C6.o2.gp	Method	AAT/GAP
Start	41176	End	41935
GI	5816562	Score	671
Exons	41176..41589, 41911..41935		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o18.tw	Method	TBLASTX:Wheat
Start	2610	End	2996
GI	none	Score	152
Exons	2610..2801, 2635..2745, 2655..2810, 2850..2996		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o11.tm	Method	TBLASTX:Maize
Start	3543	End	3866
GI	none	Score	214
Exons	3543..3866, 3590..3667		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-

Start	48212	End	49148
Name	OJ991113_36.0128.C6.o15.tw	Method	TBLASTX:Wheat
Start	3548	End	3926
GI	none	Score	152
Exons	3548..3670, 3549..3770, 3636..3716, 3804..3926, 3804..3920, 3815..3925		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o4.tw	Method	TBLASTX:Wheat
Start	4098	End	45181
GI	none	Score	180
Exons	4098..4271, 4109..4270, 4277..4579, 4280..4546, 4432..4575, 44831..45181		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o13.tm	Method	TBLASTX:Maize
Start	4107	End	4271
GI	none	Score	199
Exons	4107..4271, 4109..4267		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o5.ts	Method	TBLASTX:Soybean
Start	4277	End	45010
GI	none	Score	106
Exons	4277..4408, 44645..44869, 44876..45010		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o6.tm	Method	TBLASTX:Maize
Start	4277	End	45091
GI	none	Score	141
Exons	4277..4474, 44735..45091, 44776..45081		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o7.tm	Method	TBLASTX:Maize
Start	4475	End	45568
GI	none	Score	114
Exons	4475..4603, 4568..4630, 4676..4966, 4717..4845, 4876..4920, 45095..45172, 45233..45568		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	4520	End	45517
GI	none	Score	54
Exons	4520..4552, 4550..4885, 4556..4606, 4558..4914, 4670..4915, 45254..45517		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o7.tw	Method	TBLASTX:Wheat
Start	4685	End	45600
GI	none	Score	127
Exons	4685..4930, 45220..45600, 45221..45595, 45277..45597		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	4931	End	5429
GI	none	Score	135
Exons	4931..5047, 4966..5046, 5037..5429, 5045..5353, 5378..5428		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o4.tm	Method	TBLASTX:Maize
Start	5003	End	5378
GI	none	Score	48
Exons	5003..5047, 5042..5272, 5045..5224, 5046..5357, 5319..5378		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o3.tw	Method	TBLASTX:Wheat
Start	5433	End	5924
GI	none	Score	566
Exons	5433..5924, 5435..5920		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	5631	End	5948
GI	none	Score	112
Exons	5631..5804, 5638..5748, 5805..5948, 5807..5947		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o2.ts	Method	TBLASTX:Soybean
Start	5723	End	5969
GI	none	Score	270
Exons	5723..5968, 5724..5969		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o5.tm	Method	TBLASTX:Maize
Start	5771	End	6062
GI	none	Score	366
Exons	5771..6058, 5772..6062		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	5931	End	47450
GI	none	Score	712
Exons	5931..6557, 5933..6445, 6024..6557, 47091..47312, 47340..47450		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	6114	End	6698
GI	none	Score	223
Exons	6114..6272, 6116..6268, 6210..6557, 6270..6698, 6497..6697		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o10.tw	Method	TBLASTX:Wheat
Start	6557	End	6890
GI	none	Score	362
Exons	6557..6781, 6558..6890		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o11.tw	Method	TBLASTX:Wheat
Start	13532	End	37609
GI	none	Score	246
Exons	13532..13780, 13533..13781, 13817..13861, 13821..13859, 13878..13976, 13878..13979, 37177..37425, 37178..37426, 37463..37501, 37520..37609, 37520..37609		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	13550	End	39269
GI	none	Score	242
Exons	13550..13777, 13551..13781, 13820..13858, 13821..13859, 13880..13975, 13881..13979, 14003..14194, 14010..14195, 14186..14257, 14187..14267, 14188..14295, 14280..14345, 14286..14360, 14291..14359, 14685..14762, 14726..14797, 14808..14981, 14849..14980, 16587..16673, 16685..16795, 16686..16820, 16826..16861, 37195..37422, 37196..37426, 37463..37501, 37523..37621, 37528..37620, 37639..37848, 37640..37831, 37822..37923, 37823..37930, 37844..37936, 37925..37996, 37925..37984, 37930..37992, 38825..38878, 38991..39047, 39020..39085, 39095..39268, 39096..39269		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o4.ts	Method	TBLASTX:Soybean
Start	13563	End	38004
GI	none	Score	159

Exons	13563..13781, 14052..14267, 14289..14360, 37208..37426, 37640..37678, 37688..37996, 37774..38004		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o6.tw	Method	TBLASTX:Wheat
Start	14000	End	37996
GI	none	Score	305
Exons	14000..14266, 14010..14267, 14133..14267, 14170..14268, 14282..14356, 14283..14360, 37610..37996, 37624..37992, 37646..37996		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o13.tw	Method	TBLASTX:Wheat
Start	14682	End	39292
GI	none	Score	122
Exons	14682..15050, 14685..14762, 14817..14987, 16560..16772, 16562..16678, 16577..16795, 16587..16820, 16800..16829, 38970..39272, 38971..39072, 38972..39088, 39011..39292, 39105..39272, 39112..39273		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o16.tw	Method	TBLASTX:Wheat
Start	31452	End	31811
GI	none	Score	241
Exons	31452..31811, 31484..31786		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o3.tm	Method	TBLASTX:Maize
Start	31599	End	32030
GI	none	Score	334
Exons	31599..31928, 31625..31750, 31806..31916, 31807..31926, 31844..31927, 31931..32029, 31932..32030		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o8.tw	Method	TBLASTX:Wheat
Start	31943	End	32357
GI	none	Score	202
Exons	31943..32110, 31944..32120, 31956..32120, 31985..32122, 32121..32357, 32123..32203, 32130..32351, 32240..32353		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o9.tm	Method	TBLASTX:Maize
Start	32031	End	32369
GI	none	Score	230
Exons	32031..32297, 32033..32191, 32094..32285, 32304..32369		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o14.tw	Method	TBLASTX:Wheat
Start	42946	End	43348
GI	none	Score	268
Exons	42946..43215, 42947..43348		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o15.tm	Method	TBLASTX:Maize
Start	43187	End	43447
GI	none	Score	187
Exons	43187..43447, 43189..43392		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o5.tw	Method	TBLASTX:Wheat
Start	43928	End	44725
GI	none	Score	140
Exons	43928..44104, 44149..44385, 44153..44383, 44432..44725, 44560..44721		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o14.tm	Method	TBLASTX:Maize
Start	44236	End	44413
GI	none	Score	187
Exons	44236..44382, 44237..44413		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o19.tw	Method	TBLASTX:Wheat
Start	45604	End	45877
GI	none	Score	85
Exons	45604..45669, 45605..45697, 45614..45700, 45671..45874, 45782..45877		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o3.ts	Method	TBLASTX:Soybean
Start	45869	End	46256
GI	none	Score	87
Exons	45869..45973, 45877..45963, 46017..46256, 46018..46254		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o9.tw	Method	TBLASTX:Wheat
Start	45878	End	46299
GI	none	Score	136

Exons	45878..45988, 45883..45969, 46002..46223, 46017..46199, 46018..46299		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o17.tw	Method	TBLASTX:Wheat
Start	46315	End	46655
GI	none	Score	130
Exons	46315..46449, 46508..46633, 46509..46655		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o8.tm	Method	TBLASTX:Maize
Start	46610	End	46997
GI	none	Score	266
Exons	46610..46819, 46611..46820, 46805..46996, 46806..46997		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o12.tw	Method	TBLASTX:Wheat
Start	46749	End	47083
GI	none	Score	72
Exons	46749..46820, 46824..47078, 46824..46988, 46829..47083		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o12.tm	Method	TBLASTX:Maize
Start	47150	End	47423
GI	none	Score	99
Exons	47150..47248, 47151..47249, 47240..47314, 47244..47327, 47337..47423		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o20.tw	Method	TBLASTX:Wheat
Start	47487	End	47762
GI	none	Score	129
Exons	47487..47663, 47513..47671, 47670..47762		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o10.tm	Method	TBLASTX:Maize
Start	47505	End	47768
GI	none	Score	165
Exons	47505..47687, 47561..47686, 47666..47767, 47667..47768		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o8.np	Method	AAT/NAP
Start	48152	End	49148

GI	6691716	Score	738
Exons	48152..48599, 48673..48793, 48943..49038, 49113..49148		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12145	Strand	-
Start	48212	End	49148
Name	OJ991113_36.0128.C6.o10.gs	Method	GENSCAN
Start	48212	End	49038
GI	none	Score	.84
Exons	48212..48433, 48523..48599, 48673..48777, 48849..49038		

Seq. No.	5755	Seq. ID	OJ991113_36.0128.C7
Gene No.	12146	Strand	-
Start	1	End	1911
Name	OJ991113_36.0128.C7.o1.np	Method	AAT/NAP
Start	1	End	1872
GI	6691716	Score	1615
Exons	1..98, 176..355, 432..534, 611..788, 984..1872		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	5755	Seq. ID	OJ991113_36.0128.C7
Gene No.	12146	Strand	-
Start	1	End	1911
Name	OJ991113_36.0128.C7.o1.gs	Method	GENSCAN
Start	20	End	1911
GI	none	Score	.87
Exons	20..110, 176..534, 611..1322, 1467..1592, 1743..1911		

Seq. No.	5755	Seq. ID	OJ991113_36.0128.C7
Gene No.	12146	Strand	-
Start	1	End	1911
Name	OJ991113_36.0128.C7.o1.tw	Method	TBLASTX:Wheat
Start	1462	End	1752
GI	none	Score	197
Exons	1462..1752		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12147	Strand	+
Start	555	End	674
Name	OJ991113_36.0128.C8.o1.gs	Method	GENSCAN
Start	555	End	674
GI	none	Score	.9
Exons	555..674		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12148	Strand	+
Start	671	End	1081
Name	OJ991113_36.0128.C8.o1.gp	Method	AAT/GAP
Start	671	End	1081
GI	5816562	Score	662
Exons	671..1081		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12149	Strand	+
Start	2377	End	6750
Name	OJ991113_36.0128.C8.o1.np	Method	AAT/NAP
Start	2348	End	6468
GI	6682245	Score	322
Exons	2348..2378, 3937..4479, 6409..6468		
GI Descrip.	(AC016661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12149	Strand	+
Start	2377	End	6750
Name	OJ991113_36.0128.C8.o2.gs	Method	GENSCAN
Start	2377	End	6750
GI	none	Score	.44
Exons	2377..2427, 2465..2608, 2701..2871, 3829..6750		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12150	Strand	+
Start	7817	End	10952
Name	OJ991113_36.0128.C8.o3.gs	Method	GENSCAN
Start	7817	End	10952
GI	none	Score	.78
Exons	7817..7860, 9526..9724, 10511..10952		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o1.ts	Method	TBLASTX:Soybean
Start	3933	End	4229
GI	none	Score	310
Exons	3933..4229, 3934..4221		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o1.tm	Method	TBLASTX:Maize
Start	5762	End	6575
GI	none	Score	213
Exons	5762..6040, 5773..6060, 5784..6047, 6056..6142, 6117..6305, 6118..6303, 6125..6310, 6400..6573, 6434..6574, 6441..6575		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o3.np	Method	AAT/NAP
Start	8283	End	10701
GI	5902928	Score	226
Exons	8283..8304, 9825..9934, 10051..10138, 10600..10701		
GI Descrip.	(AB029509) small GTP-binding protein OsRac2 [Oryza sativa]		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o1.tc	Method	TBLASTX:Cress

Start	9825	End	10139
GI	none	Score	71
Exons	9825..9935, 9829..9894, 10034..10138, 10039..10125, 10050..10139		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o2.ts	Method	TBLASTX:Soybean
Start	9825	End	10139
GI	none	Score	104
Exons	9825..9935, 9825..9935, 9827..9937, 9829..9939, 10034..10138, 10050..10139		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o2.gp	Method	AAT/GAP
Start	9825	End	10138
GI	145_3.R1084	Score	286
Exons	9825..9934, 10051..10138		
GI Descrip.	'5902928/dbj|BAA84493.1| 1.0e-121 (AB029509) small GTP-binding protein OsRac2 [Oryza sativa]'		

Seq. No.	5756	Seq. ID	OJ991113_36.0128.C8
Gene No.	12151	Strand	-
Start	8283	End	10701
Name	OJ991113_36.0128.C8.o2.tm	Method	TBLASTX:Maize
Start	9825	End	10140
GI	none	Score	93
Exons	9825..9935, 9825..9935, 9896..9937, 10034..10138, 10050..10139, 10056..10139, 10057..10140		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12152	Strand	+
Start	102	End	497
Name	OJ991113_36.0128.C9.o1.gs	Method	GENSCAN
Start	102	End	497
GI	none	Score	.52
Exons	102..171, 324..497		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12153	Strand	+
Start	3203	End	5291
Name	OJ991113_36.0128.C9.o2.np	Method	AAT/NAP
Start	3203	End	5291
GI	2921304	Score	476
Exons	3203..4018, 5123..5291		
GI Descrip.	(AF033496) herbicide safener binding protein [Zea mays]		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12154	Strand	-
Start	1	End	2545
Name	OJ991113_36.0128.C9.o1.np	Method	AAT/NAP
Start	1	End	2545
GI	5852093	Score	63
Exons	1..46, 1023..1196, 2525..2545		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12155	Strand	-
Start	3162	End	10443
Name	OJ991113_36.0128.C9.o2.gs	Method	GENSCAN
Start	3162	End	10423
GI	none	Score	.8
Exons	3162..3241, 3332..3966, 6287..6363, 7323..7485, 8416..8480, 10244..10423		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12155	Strand	-
Start	3162	End	10443
Name	OJ991113_36.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	3218	End	3893
GI	none	Score	105
Exons	3218..3295, 3230..3301, 3305..3469, 3306..3467, 3549..3638, 3657..3725, 3696..3794, 3798..3863, 3831..3893		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12155	Strand	-
Start	3162	End	10443
Name	OJ991113_36.0128.C9.o2.tw	Method	TBLASTX:Wheat
Start	3224	End	3628
GI	none	Score	84
Exons	3224..3295, 3236..3304, 3290..3484, 3306..3476, 3554..3628		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12155	Strand	-
Start	3162	End	10443
Name	OJ991113_36.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	3306	End	3893
GI	none	Score	115
Exons	3306..3458, 3552..3650, 3657..3686, 3777..3893		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12155	Strand	-
Start	3162	End	10443
Name	OJ991113_36.0128.C9.o1.tw	Method	TBLASTX:Wheat
Start	3629	End	3988
GI	none	Score	61
Exons	3629..3892, 3657..3713, 3696..3893, 3696..3893, 3887..3985, 3890..3988		

Seq. No.	5757	Seq. ID	OJ991113_36.0128.C9
Gene No.	12155	Strand	-
Start	3162	End	10443
Name	OJ991113_36.0128.C9.o1.gp	Method	AAT/GAP
Start	10163	End	10443
GI	2428157	Score	490
Exons	10163..10443		

Seq. No.	5758	Seq. ID	OJ991113_36.0128.C10
Gene No.	12156	Strand	+
Start	200	End	1267
Name	OJ991113_36.0128.C10.o1.gs	Method	GENSCAN
Start	200	End	1267

GI	none	Score	.93
Exons	200..304, 971..1267		

Seq. No.	5758	Seq. ID	OJ991113_36.0128.C10
Gene No.	12156	Strand	+
Start	200	End	1267
Name	OJ991113_36.0128.C10.o1.np	Method	AAT/NAP
Start	918	End	1264
GI	2921304	Score	268
Exons	918..1264		
GI Descrip.	(AF033496) herbicide safener binding protein [Zea mays]		

Seq. No.	5758	Seq. ID	OJ991113_36.0128.C10
Gene No.	12157	Strand	-
Start	2205	End	3377
Name	OJ991113_36.0128.C10.o1.tm	Method	TBLASTX:Maize
Start	976	End	1276
GI	none	Score	105
Exons	976..1077, 977..1060, 1093..1266, 1097..1276, 1100..1267		

Seq. No.	5758	Seq. ID	OJ991113_36.0128.C10
Gene No.	12157	Strand	-
Start	2205	End	3377
Name	OJ991113_36.0128.C10.o1.tw	Method	TBLASTX:Wheat
Start	977	End	1299
GI	none	Score	288
Exons	977..1273, 978..1043, 979..1266, 1150..1299		

Seq. No.	5758	Seq. ID	OJ991113_36.0128.C10
Gene No.	12157	Strand	-
Start	2205	End	3377
Name	OJ991113_36.0128.C10.o2.gs	Method	GENSCAN
Start	2205	End	3377
GI	none	Score	.71
Exons	2205..2351, 3285..3377		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12158	Strand	+
Start	1	End	28231
Name	OJ991113_36.0128.C11.o4.np	Method	AAT/NAP
Start	1	End	27261
GI	4835245	Score	154
Exons	1..30, 9357..9629, 9861..10052, 16600..16624, 25651..25749, 27233..27261		
GI Descrip.	(AL049862) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12158	Strand	+
Start	1	End	28231
Name	OJ991113_36.0128.C11.o1.gp	Method	AAT/GAP
Start	2009	End	3204
GI	uC-osflm202113h08b1	Score	985
Exons	2009..2268, 2352..2414, 2521..2608, 3084..3204		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11

Gene No.	12158	Strand	+
Start	1	End	28231
Name	OJ991113_36.0128.C11.o2.gp	Method	AAT/GAP
Start	3379	End	3979
GI	none	Score	1169
Exons	3379..3979		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12158	Strand	+
Start	1	End	28231
Name	OJ991113_36.0128.C11.o2.gs	Method	GENSCAN
Start	6125	End	10545
GI	none	Score	.51
Exons	6125..6248, 6309..6408, 8196..8387, 9303..9438, 9967..10545		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12158	Strand	+
Start	1	End	28231
Name	OJ991113_36.0128.C11.o3.gp	Method	AAT/GAP
Start	10609	End	10718
GI	3763212	Score	146
Exons	10609..10718		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12158	Strand	+
Start	1	End	28231
Name	OJ991113_36.0128.C11.o4.gp	Method	AAT/GAP
Start	22573	End	22780
GI	556_1.R1084	Score	208
Exons	22573..22780		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12158	Strand	+
Start	1	End	28231
Name	OJ991113_36.0128.C11.o5.gs	Method	GENSCAN
Start	23394	End	28227
GI	none	Score	.59
Exons	23394..23450, 23733..23874, 24597..24848, 24911..24990, 25557..25614, 26177..26394, 27233..27320, 28055..28227		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12158	Strand	+
Start	1	End	28231
Name	OJ991113_36.0128.C11.o7.np	Method	AAT/NAP
Start	26224	End	28231
GI	4191779	Score	478
Exons	26224..26394, 27233..27320, 28055..28231		
GI Descrip.	(AC005917) putative recA protein [Arabidopsis thaliana]		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12159	Strand	-
Start	465	End	4135
Name	OJ991113_36.0128.C11.o1.gs	Method	GENSCAN
Start	465	End	4135
GI	none	Score	.5

Exons	465..523, 655..1057, 1167..1276, 1305..1428, 2001..2050, 2122..2336, 2720..2866, 3981..4135		
Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12159	Strand	-
Start	465	End	4135
Name	OJ991113_36.0128.C11.o1.np	Method	AAT/NAP
Start	609	End	3111
GI	4678262	Score	592
Exons	609..1018, 1369..1512, 3061..3111		
GI Descrip.	(AL049657) argininosuccinate synthase-like protein [Arabidopsis thaliana]		
Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12159	Strand	-
Start	465	End	4135
Name	OJ991113_36.0128.C11.o2.np	Method	AAT/NAP
Start	609	End	3459
GI	4678262	Score	590
Exons	609..1018, 1369..1520, 3438..3459		
GI Descrip.	(AL049657) argininosuccinate synthase-like protein [Arabidopsis thaliana]		
Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12160	Strand	-
Start	11335	End	13656
Name	OJ991113_36.0128.C11.o3.gs	Method	GENSCAN
Start	11335	End	13656
GI	none	Score	.7
Exons	11335..11348, 11484..11552, 11639..11926, 12020..12158, 13372..13656		
Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o1.tm	Method	TBLASTX:Maize
Start	606	End	1510
GI	none	Score	93
Exons	606..677, 613..675, 672..1043, 680..1060, 685..1059, 1063..1134, 1064..1123, 1089..1259, 1090..1260, 1119..1292, 1228..1509, 1241..1510, 1241..1510		
Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o1.ts	Method	TBLASTX:Soybean
Start	606	End	1526
GI	none	Score	81
Exons	606..677, 613..693, 621..704, 668..742, 680..1060, 688..897, 690..1040, 770..1060, 1063..1134, 1064..1123, 1113..1259, 1114..1239, 1119..1247, 1228..1509, 1241..1510, 1358..1510, 1383..1526		
Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o1.tc	Method	TBLASTX:Cress

Start	615	End	1464
GI	none	Score	185
Exons	615..677, 680..982, 681..905, 683..907, 941..1060, 942..1040, 1045..1134, 1083..1241, 1114..1242, 1123..1251, 1154..1264, 1258..1290, 1289..1450, 1291..1464, 1292..1420, 1330..1425		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o4.gs	Method	GENSCAN
Start	16275	End	22227
GI	none	Score	.85
Exons	16275..16345, 16625..16665, 16779..18285, 18361..18471, 18538..18604, 18689..19318, 19801..20280, 21661..22227		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o5.np	Method	AAT/NAP
Start	16775	End	20054
GI	6899940	Score	194
Exons	16775..16906, 16955..17401, 20026..20054		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o6.np	Method	AAT/NAP
Start	22073	End	27579
GI	3880303	Score	132
Exons	22073..22255, 23601..23838, 24646..25028, 27523..27579		
GI Descrip.	(Z54238) T28C6.1 [Caenorhabditis elegans]		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o2.tc	Method	TBLASTX:Cress
Start	26166	End	27334
GI	none	Score	78
Exons	26166..26384, 26179..26394, 26229..26390, 27232..27324, 27233..27334		

Seq. No.	5759	Seq. ID	OJ991113_36.0128.C11
Gene No.	12161	Strand	-
Start	16275	End	28224
Name	OJ991113_36.0128.C11.o2.ts	Method	TBLASTX:Soybean
Start	27244	End	28224
GI	none	Score	116
Exons	27244..27321, 27245..27322, 28048..28188, 28053..28202, 28073..28210, 28078..28224, 28140..28220		

Seq. No.	5760	Seq. ID	OJ991113_36.0128.C12
Gene No.	12162	Strand	+
Start	1	End	656
Name	OJ991113_36.0128.C12.o1.np	Method	AAT/NAP
Start	1	End	656
GI	5042454	Score	85

Exons	1..228, 637..656		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	5760	Seq. ID	OJ991113_36.0128.C12
Gene No.	12162	Strand	+
Start	1	End	656
Name	OJ991113_36.0128.C12.o1.gs	Method	GENSCAN
Start	41	End	255
GI	none	Score	.64
Exons	41..255		
Seq. No.	5761	Seq. ID	OJ991013_16.0113.C1
Gene No.	12163	Strand	-
Start	105	End	6306
Name	OJ991013_16.0113.C1.o1.gs	Method	GENSCAN
Start	105	End	4942
GI	none	Score	.52
Exons	105..193, 3931..4259, 4298..4942		
Seq. No.	5761	Seq. ID	OJ991013_16.0113.C1
Gene No.	12163	Strand	-
Start	105	End	6306
Name	OJ991013_16.0113.C1.o1.gp	Method	AAT/GAP
Start	3606	End	3849
GI	5056026	Score	419
Exons	3606..3849		
Seq. No.	5761	Seq. ID	OJ991013_16.0113.C1
Gene No.	12163	Strand	-
Start	105	End	6306
Name	OJ991013_16.0113.C1.o1.np	Method	AAT/NAP
Start	3897	End	6306
GI	4204295	Score	129
Exons	3897..4162, 6235..6306		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		
Seq. No.	5761	Seq. ID	OJ991013_16.0113.C1
Gene No.	12163	Strand	-
Start	105	End	6306
Name	OJ991013_16.0113.C1.o1.tm	Method	TBLASTX:Maize
Start	4325	End	4561
GI	none	Score	134
Exons	4325..4459, 4326..4460, 4334..4465, 4445..4561, 4469..4555		
Seq. No.	5761	Seq. ID	OJ991013_16.0113.C1
Gene No.	12163	Strand	-
Start	105	End	6306
Name	OJ991013_16.0113.C1.o2.gp	Method	AAT/GAP
Start	4532	End	4953
GI	2428673	Score	779
Exons	4532..4953		
Seq. No.	5761	Seq. ID	OJ991013_16.0113.C1
Gene No.	12163	Strand	-
Start	105	End	6306
Name	OJ991013_16.0113.C1.o3.gp	Method	AAT/GAP

Start	5698	End	6287
GI	none	Score	1049
Exons	5698..6287		

Seq. No.	5762	Seq. ID	OJ991013_16.0113.C2
Gene No.	12164	Strand	+
Start	561	End	2026
Name	OJ991013_16.0113.C2.o1.gs	Method	GENSCAN
Start	561	End	2026
GI	none	Score	.48
Exons	561..800, 808..978, 2003..2026		

Seq. No.	5762	Seq. ID	OJ991013_16.0113.C2
Gene No.	12165	Strand	-
Start	626	End	1061
Name	OJ991013_16.0113.C2.o1.gp	Method	AAT/GAP
Start	626	End	1061
GI	uC-osflcyp120c03b1	Score	784
Exons	626..1061		
GI Descrip.	'2832644/emb|CAA16719| 8.0e-18 (AL021710) teosinte branched1 - like protein [Arabidopsis thaliana]'		

Seq. No.	5763	Seq. ID	OJ991013_16.0113.C3
Gene No.	12166	Strand	-
Start	4243	End	7133
Name	OJ991013_16.0113.C3.o2.gs	Method	GENSCAN
Start	4243	End	7133
GI	none	Score	.41
Exons	4243..4276, 4476..4651, 5272..5380, 5992..6202, 6657..6729, 6954..7133		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o1.gp	Method	AAT/GAP
Start	1	End	3281
GI	342_1.R1084	Score	5195
Exons	1..3281		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o2.ts	Method	TBLASTX:Soybean
Start	2	End	295
GI	none	Score	205
Exons	2..295, 31..282		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o2.tc	Method	TBLASTX:Cress
Start	28	End	376
GI	none	Score	288
Exons	28..102, 35..376, 130..180, 229..357		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o1.np	Method	AAT/NAP
Start	56	End	2015
GI	6742729	Score	3047
Exons	56..2015		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o2.tw	Method	TBLASTX:Wheat
Start	164	End	633
GI	none	Score	73
Exons	164..220, 172..216, 217..318, 218..322, 218..340, 326..424, 331..423, 334..426, 404..628, 427..633		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o1.tm	Method	TBLASTX:Maize
Start	209	End	667
GI	none	Score	243
Exons	209..463, 221..463, 473..667		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o1.ts	Method	TBLASTX:Soybean
Start	497	End	739
GI	none	Score	207
Exons	497..739		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o3.tw	Method	TBLASTX:Wheat
Start	772	End	1182
GI	none	Score	87
Exons	772..822, 773..835, 821..1063, 841..1023, 1091..1171, 1096..1182, 1097..1177		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o1.tw	Method	TBLASTX:Wheat
Start	1183	End	2499
GI	none	Score	114
Exons	1183..1272, 1184..1279, 1184..1282, 1278..2060, 1279..2100, 1768..2067, 2093..2140, 2094..2135, 2095..2139, 2142..2237, 2146..2205, 2184..2324, 2185..2313, 2215..2331, 2216..2332, 2253..2333, 2337..2390, 2338..2418, 2407..2499, 2411..2482, 2433..2498		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+

Start	1	End	3318
Name	OJ991013_16.0113.C6.o2.tm	Method	TBLASTX:Maize
Start	1226	End	1539
GI	none	Score	67
Exons	1226..1279, 1269..1511, 1279..1539		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o1.tc	Method	TBLASTX:Cress
Start	1470	End	1918
GI	none	Score	366
Exons	1470..1883, 1474..1896, 1667..1918, 1768..1917		

Seq. No.	5764	Seq. ID	OJ991013_16.0113.C6
Gene No.	12167	Strand	+
Start	1	End	3318
Name	OJ991013_16.0113.C6.o2.np	Method	AAT/NAP
Start	2048	End	3318
GI	4038057	Score	93
Exons	2048..2295, 3284..3318		
GI Descrip.	(AC005897) En/Spm-like transposon protein [Arabidopsis thaliana]		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12168	Strand	+
Start	172	End	595
Name	OJ991013_16.0113.C7.o1.gs	Method	GENSCAN
Start	172	End	595
GI	none	Score	.97
Exons	172..262, 331..595		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12169	Strand	+
Start	1569	End	5238
Name	OJ991013_16.0113.C7.o2.np	Method	AAT/NAP
Start	1569	End	5238
GI	4680204	Score	930
Exons	1569..2980, 3072..4129, 4218..4391, 4481..4616, 5018..5238		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12169	Strand	+
Start	1569	End	5238
Name	OJ991013_16.0113.C7.o1.np	Method	AAT/NAP
Start	1569	End	4381
GI	4680204	Score	879
Exons	1569..2980, 3072..4129, 4218..4381		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12170	Strand	-
Start	5866	End	6498
Name	OJ991013_16.0113.C7.o3.gs	Method	GENSCAN
Start	5866	End	6498
GI	none	Score	1
Exons	5866..6498		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o3.tw	Method	TBLASTX:Wheat
Start	2190	End	2591
GI	none	Score	218
Exons	2190..2426, 2190..2384, 2291..2431, 2421..2591, 2474..2590		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o4.tw	Method	TBLASTX:Wheat
Start	2591	End	3284
GI	none	Score	69
Exons	2591..2626, 2592..2672, 2912..2983, 3065..3139, 3066..3284		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o4.gs	Method	GENSCAN
Start	6894	End	10211
GI	none	Score	.58
Exons	6894..7175, 7492..7733, 8026..8173, 9189..9544, 9948..10211		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o3.np	Method	AAT/NAP
Start	8980	End	10254
GI	6539553	Score	2046
Exons	8980..10254		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o1.tw	Method	TBLASTX:Wheat
Start	9115	End	9560
GI	none	Score	342
Exons	9115..9501, 9117..9500, 9516..9560		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o3.ts	Method	TBLASTX:Soybean
Start	9243	End	9560
GI	none	Score	93
Exons	9243..9452, 9264..9452, 9471..9560, 9478..9558		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o2.tm	Method	TBLASTX:Maize
Start	9447	End	9783

GI	none	Score	67
Exons	9447..9548, 9448..9549, 9562..9783, 9568..9783		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o1.ts	Method	TBLASTX:Soybean
Start	9589	End	9940
GI	none	Score	114
Exons	9589..9939, 9740..9940		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o2.tw	Method	TBLASTX:Wheat
Start	9793	End	10254
GI	none	Score	45
Exons	9793..9999, 9823..9972, 9994..10254, 10018..10191		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o1.tm	Method	TBLASTX:Maize
Start	9874	End	10254
GI	none	Score	85
Exons	9874..10254, 10021..10203		

Seq. No.	5765	Seq. ID	OJ991013_16.0113.C7
Gene No.	12171	Strand	-
Start	6894	End	10254
Name	OJ991013_16.0113.C7.o2.ts	Method	TBLASTX:Soybean
Start	9961	End	10254
GI	none	Score	108
Exons	9961..10254, 9964..10185		

Seq. No.	5766	Seq. ID	OJ991013_16.0113.C9
Gene No.	12172	Strand	+
Start	1806	End	1973
Name	OJ991013_16.0113.C9.o1.gs	Method	GENSCAN
Start	1806	End	1973
GI	none	Score	.91
Exons	1806..1973		

Seq. No.	5766	Seq. ID	OJ991013_16.0113.C9
Gene No.	12173	Strand	+
Start	3061	End	4772
Name	OJ991013_16.0113.C9.o2.gs	Method	GENSCAN
Start	3061	End	4506
GI	none	Score	.57
Exons	3061..3228, 3994..4506		

Seq. No.	5766	Seq. ID	OJ991013_16.0113.C9
Gene No.	12173	Strand	+
Start	3061	End	4772
Name	OJ991013_16.0113.C9.o1.np	Method	AAT/NAP
Start	4133	End	4772
GI	4417306	Score	84

Exons	4133..4325, 4728..4772		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		
Seq. No.	5766	Seq. ID	OJ991013_16.0113.C9
Gene No.	12174	Strand	-
Start	2999	End	3566
Name	OJ991013_16.0113.C9.o1.gp	Method	AAT/GAP
Start	2999	End	3566
GI	4879016	Score	859
Exons	2999..3566		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	5767	Seq. ID	OJ991013_16.0113.C11
Gene No.	12175	Strand	-
Start	1	End	211
Name	OJ991013_16.0113.C11.o1.gp	Method	AAT/GAP
Start	1	End	211
GI	61605_3.R1084	Score	345
Exons	1..211		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	5768	Seq. ID	OJ991013_16.0113.C12
Gene No.	12176	Strand	+
Start	1	End	1125
Name	OJ991013_16.0113.C12.o1.np	Method	AAT/NAP
Start	1	End	1125
GI	6630696	Score	1356
Exons	1..1125		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	5768	Seq. ID	OJ991013_16.0113.C12
Gene No.	12176	Strand	+
Start	1	End	1125
Name	OJ991013_16.0113.C12.o1.tm	Method	TBLASTX:Maize
Start	309	End	656
GI	none	Score	318
Exons	309..656, 315..653, 323..655		
Seq. No.	5768	Seq. ID	OJ991013_16.0113.C12
Gene No.	12176	Strand	+
Start	1	End	1125
Name	OJ991013_16.0113.C12.o1.ts	Method	TBLASTX:Soybean
Start	501	End	876
GI	none	Score	107
Exons	501..605, 700..876		
Seq. No.	5768	Seq. ID	OJ991013_16.0113.C12
Gene No.	12176	Strand	+
Start	1	End	1125
Name	OJ991013_16.0113.C12.o1.tw	Method	TBLASTX:Wheat
Start	513	End	989

GI	none	Score	106
Exons	513..587, 513..593, 514..588, 518..601, 602..736, 603..737, 711..989, 727..987		

Seq. No.	5768	Seq. ID	OJ991013_16.0113.C12
Gene No.	12177	Strand	
Start	1264	End	1616
Name	OJ991013_16.0113.C12.o2.tw	Method	TBLASTX:Wheat
Start	1264	End	1616
GI	none	Score	57
Exons	1264..1335, 1265..1336, 1314..1406, 1337..1408, 1339..1419, 1345..1407, 1407..1481, 1408..1485, 1410..1481, 1411..1482, 1512..1616, 1513..1551, 1518..1589		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12178	Strand	+
Start	1	End	8336
Name	OJ991013_16.0113.C13.o1.np	Method	AAT/NAP
Start	1	End	7903
GI	4680183	Score	200
Exons	1..37, 7115..7204, 7814..7903		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12178	Strand	+
Start	1	End	8336
Name	OJ991013_16.0113.C13.o1.gs	Method	GENSCAN
Start	335	End	8336
GI	none	Score	.59
Exons	335..405, 3966..4155, 4248..4329, 4372..4494, 4562..4664, 6758..6864, 7733..7859, 8276..8336		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12179	Strand	+
Start	13087	End	17016
Name	OJ991013_16.0113.C13.o3.np	Method	AAT/NAP
Start	13087	End	17016
GI	4680203	Score	902
Exons	13087..13148, 14361..15301, 16945..17016		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12180	Strand	+
Start	19661	End	19893
Name	OJ991013_16.0113.C13.o2.gp	Method	AAT/GAP
Start	19661	End	19893
GI	61605_1.R1084	Score	359
Exons	19661..19893		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12181	Strand	+
Start	24437	End	24701
Name	OJ991013_16.0113.C13.o6.gs	Method	GENSCAN
Start	24437	End	24701
GI	none	Score	.86

Exons	24437..24448, 24576..24701		
Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12182	Strand	-
Start	8634	End	20394
Name	OJ991013_16.0113.C13.o2.gs	Method	GENSCAN
Start	8634	End	9398
GI	none	Score	.89
Exons	8634..9398		
Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12182	Strand	-
Start	8634	End	20394
Name	OJ991013_16.0113.C13.o2.np	Method	AAT/NAP
Start	8637	End	12667
GI	5042448	Score	1285
Exons	8637..8915, 8943..9449, 12596..12667		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12182	Strand	-
Start	8634	End	20394
Name	OJ991013_16.0113.C13.o1.gp	Method	AAT/GAP
Start	10159	End	10540
GI	uC-osf1cyp033a04b1	Score	639
Exons	10159..10540		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12182	Strand	-
Start	8634	End	20394
Name	OJ991013_16.0113.C13.o3.gs	Method	GENSCAN
Start	10971	End	17141
GI	none	Score	.42
Exons	10971..11056, 11352..11746, 12633..12733, 14535..14740, 14985..15089, 15834..15918, 15970..16308, 16542..16603, 16841..17141		
Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12182	Strand	-
Start	8634	End	20394
Name	OJ991013_16.0113.C13.o4.np	Method	AAT/NAP
Start	16485	End	17946
GI	6815052	Score	1291
Exons	16485..16603, 16872..16940, 17021..17762, 17811..17946		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12182	Strand	-
Start	8634	End	20394
Name	OJ991013_16.0113.C13.o4.gs	Method	GENSCAN
Start	17449	End	20394
GI	none	Score	.43
Exons	17449..18140, 19155..19293, 19299..19647, 20345..20394		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12183	Strand	-
Start	20906	End	21640
Name	OJ991013_16.0113.C13.o3.gp	Method	AAT/GAP
Start	20906	End	21640
GI	101153_1.R1084	Score	369
Exons	20906..21135, 21616..21640		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o1.tw	Method	TBLASTX:Wheat
Start	14700	End	15054
GI	none	Score	91
Exons	14700..14810, 14734..14793, 14793..15044, 14803..15054, 14804..15043		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o1.ts	Method	TBLASTX:Soybean
Start	14772	End	15116
GI	none	Score	41
Exons	14772..14816, 14826..15044, 14834..15037, 15051..15116		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o3.tw	Method	TBLASTX:Wheat
Start	15310	End	15998
GI	none	Score	108
Exons	15310..15414, 15312..15368, 15622..15708, 15786..15998		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o2.tw	Method	TBLASTX:Wheat
Start	18001	End	18336
GI	none	Score	66
Exons	18001..18336, 18101..18322		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o5.gs	Method	GENSCAN
Start	21632	End	23240
GI	none	Score	.44
Exons	21632..21778, 21784..21883, 21909..22035, 22401..22442, 23141..23240		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o5.np	Method	AAT/NAP
Start	21894	End	25757

GI	4680204	Score	18
Exons	21894..22128, 25727..25757		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5769	Seq. ID	OJ991013_16.0113.C13
Gene No.	12184	Strand	-
Start	21632	End	25757
Name	OJ991013_16.0113.C13.o7.gs	Method	GENSCAN
Start	25418	End	25640
GI	none	Score	.99
Exons	25418..25522, 25527..25640		

Seq. No.	5770	Seq. ID	OJ991013_16.0113.C14
Gene No.	12185	Strand	+
Start	1	End	575
Name	OJ991013_16.0113.C14.o1.np	Method	AAT/NAP
Start	1	End	575
GI	5922620	Score	108
Exons	1..189, 233..409, 518..575		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5770	Seq. ID	OJ991013_16.0113.C14
Gene No.	12185	Strand	+
Start	1	End	575
Name	OJ991013_16.0113.C14.o1.gs	Method	GENSCAN
Start	210	End	410
GI	none	Score	.77
Exons	210..410		

Seq. No.	5771	Seq. ID	OJ991013_16.0113.C15
Gene No.	12186	Strand	-
Start	134	End	586
Name	OJ991013_16.0113.C15.o1.gs	Method	GENSCAN
Start	134	End	586
GI	none	Score	.42
Exons	134..586		

Seq. No.	5772	Seq. ID	OJ991013_16.0113.C17
Gene No.	12187	Strand	+
Start	2084	End	2751
Name	OJ991013_16.0113.C17.o1.gs	Method	GENSCAN
Start	2084	End	2751
GI	none	Score	.7
Exons	2084..2158, 2582..2751		

Seq. No.	5772	Seq. ID	OJ991013_16.0113.C17
Gene No.	12188	Strand	-
Start	3938	End	4183
Name	OJ991013_16.0113.C17.o2.gs	Method	GENSCAN
Start	3938	End	4183
GI	none	Score	.51
Exons	3938..4183		

Seq. No.	5773	Seq. ID	OJ991013_16.0113.C19
Gene No.	12189	Strand	+
Start	1761	End	3259
Name	OJ991013_16.0113.C19.o1.gs	Method	GENSCAN
Start	1761	End	3259
GI	none	Score	.91
Exons	1761..1776, 2275..3259		

Seq. No.	5773	Seq. ID	OJ991013_16.0113.C19
Gene No.	12189	Strand	+
Start	1761	End	3259
Name	OJ991013_16.0113.C19.o1.tm	Method	TBLASTX:Maize
Start	2643	End	3050
GI	none	Score	114
Exons	2643..2747, 2766..2948, 2792..2941, 2988..3050, 2994..3050		

Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12190	Strand	+
Start	1	End	314
Name	OJ991013_16.0113.C20.o1.np	Method	AAT/NAP
Start	1	End	314
GI	4204295	Score	126
Exons	1..314		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12191	Strand	-
Start	1	End	1986
Name	OJ991013_16.0113.C20.o2.np	Method	AAT/NAP
Start	1	End	1614
GI	2213632	Score	721
Exons	1..77, 867..1614		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12191	Strand	-
Start	1	End	1986
Name	OJ991013_16.0113.C20.o1.gs	Method	GENSCAN
Start	54	End	1986
GI	none	Score	.43
Exons	54..248, 840..882, 935..1068, 1162..1352, 1386..1986		

Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12191	Strand	-
Start	1	End	1986
Name	OJ991013_16.0113.C20.o2.tw	Method	TBLASTX:Wheat
Start	864	End	1095
GI	none	Score	167
Exons	864..926, 925..1095		

Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12191	Strand	-
Start	1	End	1986
Name	OJ991013_16.0113.C20.o1.tm	Method	TBLASTX:Maize
Start	894	End	1372
GI	none	Score	39

Exons	894..923, 894..926, 962..1003, 964..1002, 1000..1371, 1001..1372, 1199..1372		
Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12191	Strand	-
Start	1	End	1986
Name	OJ991013_16.0113.C20.o1.tw	Method	TBLASTX:Wheat
Start	1096	End	1500
GI	none	Score	307
Exons	1096..1500, 1115..1498		
Seq. No.	5774	Seq. ID	OJ991013_16.0113.C20
Gene No.	12191	Strand	-
Start	1	End	1986
Name	OJ991013_16.0113.C20.o2.tm	Method	TBLASTX:Maize
Start	1396	End	1872
GI	none	Score	165
Exons	1396..1689, 1445..1714, 1756..1872		
Seq. No.	5775	Seq. ID	OJ991013_16.0113.C21
Gene No.	12192	Strand	-
Start	247	End	1779
Name	OJ991013_16.0113.C21.o1.gs	Method	GENSCAN
Start	247	End	1779
GI	none	Score	.68
Exons	247..402, 512..575, 616..785, 1660..1779		
Seq. No.	5776	Seq. ID	OJ991013_16.0113.C24
Gene No.	12193	Strand	-
Start	13	End	234
Name	OJ991013_16.0113.C24.o1.tw	Method	TBLASTX:Wheat
Start	8	End	234
GI	none	Score	176
Exons	8..232, 9..233, 10..234, 13..234		
Seq. No.	5776	Seq. ID	OJ991013_16.0113.C24
Gene No.	12193	Strand	-
Start	13	End	234
Name	OJ991013_16.0113.C24.o1.ts	Method	TBLASTX:Soybean
Start	10	End	234
GI	none	Score	93
Exons	10..201, 13..234		
Seq. No.	5776	Seq. ID	OJ991013_16.0113.C24
Gene No.	12193	Strand	-
Start	13	End	234
Name	OJ991013_16.0113.C24.o1.np	Method	AAT/NAP
Start	13	End	231
GI	6382524	Score	217
Exons	13..231		
GI Descrip.	(AC011020) putative urease [Arabidopsis thaliana]		
Seq. No.	5776	Seq. ID	OJ991013_16.0113.C24
Gene No.	12193	Strand	-
Start	13	End	234
Name	OJ991013_16.0113.C24.o1.gs	Method	GENSCAN
Start	70	End	231

GI	none	Score	.61
Exons	70..231		

Seq. No.	5777	Seq. ID	OJ991013_16.0113.C26
Gene No.	12194	Strand	-
Start	1	End	586
Name	OJ991013_16.0113.C26.o1.np	Method	AAT/NAP
Start	1	End	586
GI	6815052	Score	136
Exons	1..155, 300..378, 546..586		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	5778	Seq. ID	OJ991013_10.0110.C1
Gene No.	12195	Strand	+
Start	157	End	391
Name	OJ991013_10.0110.C1.o1.gs	Method	GENSCAN
Start	157	End	391
GI	none	Score	.76
Exons	157..254, 271..391		

Seq. No.	5779	Seq. ID	OJ991013_10.0110.C3
Gene No.	12196	Strand	-
Start	295	End	550
Name	OJ991013_10.0110.C3.o1.gs	Method	GENSCAN
Start	295	End	550
GI	none	Score	.73
Exons	295..355, 455..550		

Seq. No.	5780	Seq. ID	OJ991013_10.0110.C6
Gene No.	12197	Strand	+
Start	414	End	1052
Name	OJ991013_10.0110.C6.o1.gs	Method	GENSCAN
Start	414	End	1052
GI	none	Score	.66
Exons	414..691, 869..1052		

Seq. No.	5780	Seq. ID	OJ991013_10.0110.C6
Gene No.	12198	Strand	+
Start	2314	End	3573
Name	OJ991013_10.0110.C6.o2.gs	Method	GENSCAN
Start	2314	End	3573
GI	none	Score	.72
Exons	2314..2726, 2843..3226, 3294..3383, 3459..3573		

Seq. No.	5780	Seq. ID	OJ991013_10.0110.C6
Gene No.	12199	Strand	-
Start	1730	End	2044
Name	OJ991013_10.0110.C6.o1.gp	Method	AAT/GAP
Start	1730	End	2044
GI	LIB3431-053-P1-K1-D2	Score	125
Exons	1730..1783, 1814..1873, 2017..2044		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12200	Strand	+
Start	1803	End	1907

Name	OJ991013_10.0110.C7.o1.gs	Method	GENSCAN
Start	1803	End	1907
GI	none	Score	.85
Exons	1803..1907		

Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12201	Strand	+
Start	5640	End	9969
Name	OJ991013_10.0110.C7.o3.gs	Method	GENSCAN
Start	5640	End	9969
GI	none	Score	.8
Exons	5640..5704, 6687..6777, 7650..8164, 8327..8724, 8813..8897, 9578..9692, 9916..9969		

Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12202	Strand	-
Start	2361	End	20833
Name	OJ991013_10.0110.C7.o2.gs	Method	GENSCAN
Start	2361	End	3515
GI	none	Score	.69
Exons	2361..2553, 2644..2759, 3414..3515		

Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12202	Strand	-
Start	2361	End	20833
Name	OJ991013_10.0110.C7.o1.np	Method	AAT/NAP
Start	3413	End	20828
GI	2429362	Score	139
Exons	3413..3499, 14702..14816, 15898..15987, 17571..17620, 17679..17846, 17919..17974, 18079..18219, 20586..20828		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		

Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12202	Strand	-
Start	2361	End	20833
Name	OJ991013_10.0110.C7.o1.gp	Method	AAT/GAP
Start	3414	End	3574
GI	none	Score	255
Exons	3414..3574		

Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12202	Strand	-
Start	2361	End	20833
Name	OJ991013_10.0110.C7.o2.gp	Method	AAT/GAP
Start	12529	End	14054
GI	none	Score	902
Exons	12529..12745, 12851..12948, 13893..14054		

Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12202	Strand	-
Start	2361	End	20833
Name	OJ991013_10.0110.C7.o4.gs	Method	GENSCAN
Start	12553	End	15533
GI	none	Score	.66
Exons	12553..12745, 12851..12948, 13967..14120, 14434..14550, 14691..14929, 15360..15533		

Seq. No.	5781	Seq. ID	OJ991013_10.0110.C7
Gene No.	12202	Strand	-
Start	2361	End	20833
Name	OJ991013_10.0110.C7.o6.gs	Method	GENSCAN
Start	20406	End	20833
GI	none	Score	.47
Exons	20406..20503, 20569..20833		

Seq. No.	5782	Seq. ID	OJ991013_10.0110.C8
Gene No.	12203	Strand	+
Start	328	End	3696
Name	OJ991013_10.0110.C8.o1.gs	Method	GENSCAN
Start	328	End	3696
GI	none	Score	.6
Exons	328..626, 3396..3696		

Seq. No.	5782	Seq. ID	OJ991013_10.0110.C8
Gene No.	12204	Strand	-
Start	5321	End	5750
Name	OJ991013_10.0110.C8.o2.gs	Method	GENSCAN
Start	5321	End	5750
GI	none	Score	.48
Exons	5321..5434, 5658..5750		

Seq. No.	5783	Seq. ID	OJ991013_10.0110.C9
Gene No.	12205	Strand	-
Start	1943	End	2116
Name	OJ991013_10.0110.C9.o1.np	Method	AAT/NAP
Start	1943	End	2116
GI	5852084	Score	69
Exons	1943..2116		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	5784	Seq. ID	OJ991013_10.0110.C11
Gene No.	12206	Strand	+
Start	4826	End	9886
Name	OJ991013_10.0110.C11.o2.gs	Method	GENSCAN
Start	4826	End	6163
GI	none	Score	.88
Exons	4826..6163		

Seq. No.	5784	Seq. ID	OJ991013_10.0110.C11
Gene No.	12206	Strand	+
Start	4826	End	9886
Name	OJ991013_10.0110.C11.o1.np	Method	AAT/NAP
Start	4896	End	7035
GI	2832644	Score	371
Exons	4896..5257, 5285..5428, 5777..6008, 6973..7035		
GI Descrip.	(AL021710) teosinte branched1 - like protein [Arabidopsis thaliana]		

Seq. No.	5784	Seq. ID	OJ991013_10.0110.C11
Gene No.	12206	Strand	+
Start	4826	End	9886
Name	OJ991013_10.0110.C11.o1.tc	Method	TBLASTX:Cress
Start	4970	End	5215
GI	none	Score	323

Exons	4970..5215, 4972..5211		
Seq. No.	5784	Seq. ID	OJ991013_10.0110.C11
Gene No.	12206	Strand	+
Start	4826	End	9886
Name	OJ991013_10.0110.C11.o1.ts	Method	TBLASTX:Soybean
Start	4976	End	5191
GI	5606956	Score	251
Exons	4976..5191, 4984..5127		
GI Descrip.	-		
Seq. No.	5784	Seq. ID	OJ991013_10.0110.C11
Gene No.	12206	Strand	+
Start	4826	End	9886
Name	OJ991013_10.0110.C11.o1.gp	Method	AAT/GAP
Start	5006	End	5183
GI	5003300	Score	311
Exons	5006..5183		
GI Descrip.	2832644/emb|CAA16719| 8.0e-18 (AL021710) teosinte branched1 - like protein [Arabidopsis thaliana]		
Seq. No.	5784	Seq. ID	OJ991013_10.0110.C11
Gene No.	12206	Strand	+
Start	4826	End	9886
Name	OJ991013_10.0110.C11.o2.gp	Method	AAT/GAP
Start	5958	End	9886
GI	4714128	Score	1034
Exons	5958..6210, 9588..9886		
Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o1.np	Method	AAT/NAP
Start	1	End	1152
GI	5734762	Score	868
Exons	1..1152		
GI Descrip.	(AC007651) Similar to leucine-rich receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o1.tc	Method	TBLASTX:Cress
Start	15	End	1079
GI	none	Score	82
Exons	15..143, 188..295, 219..308, 544..675, 556..918, 601..861, 607..918, 607..882, 607..918, 727..918, 733..915, 751..816, 751..921, 901..1056, 918..1073, 921..1073, 921..1073, 921..1073, 921..1070, 921..1070, 924..1079, 924..1073, 924..1073, 948..1076, 963..1070, 967..1059, 975..1073		
Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o2.ts	Method	TBLASTX:Soybean
Start	15	End	277
GI	none	Score	103

Exons	15..188, 16..186, 188..277, 198..266		
Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o2.tm	Method	TBLASTX:Maize
Start	15	End	278
GI	none	Score	87
Exons	15..188, 16..186, 188..277, 198..278		
Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o1.gp	Method	AAT/GAP
Start	80	End	270
GI	none	Score	317
Exons	80..270		
Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o1.gs	Method	GENSCAN
Start	182	End	962
GI	none	Score	.52
Exons	182..588, 762..962		
Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o1.tm	Method	TBLASTX:Maize
Start	544	End	1079
GI	none	Score	56
Exons	544..789, 604..684, 607..840, 814..921, 820..918, 832..921, 921..1079, 930..1061, 936..1070, 957..1070, 997..1065		
Seq. No.	5785	Seq. ID	OJ991013_10.0110.C12
Gene No.	12207	Strand	-
Start	1	End	1152
Name	OJ991013_10.0110.C12.o1.ts	Method	TBLASTX:Soybean
Start	559	End	1073
GI	none	Score	68
Exons	559..678, 601..918, 604..918, 604..879, 607..918, 733..918, 748..816, 901..1062, 921..1073, 921..1070, 921..1073, 924..1073, 975..1073		
Seq. No.	5786	Seq. ID	OJ991013_10.0110.C13
Gene No.	12208	Strand	-
Start	268	End	389
Name	OJ991013_10.0110.C13.o1.np	Method	AAT/NAP
Start	268	End	389
GI	5852084	Score	98
Exons	268..389		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	5787	Seq. ID	OJ991013_10.0110.C14
Gene No.	12209	Strand	+
Start	597	End	1010

Name	OJ991013_10.0110.C14.o1.gs	Method	GENSCAN
Start	597	End	1010
GI	none	Score	.73
Exons	597..702, 901..1010		

Seq. No.	5787	Seq. ID	OJ991013_10.0110.C14
Gene No.	12210	Strand	-
Start	2184	End	5356
Name	OJ991013_10.0110.C14.o2.gs	Method	GENSCAN
Start	2184	End	5356
GI	none	Score	.59
Exons	2184..2188, 3073..3341, 3526..3628, 5338..5356		

Seq. No.	5787	Seq. ID	OJ991013_10.0110.C14
Gene No.	12210	Strand	-
Start	2184	End	5356
Name	OJ991013_10.0110.C14.o1.gp	Method	AAT/GAP
Start	3114	End	3426
GI	569040	Score	590
Exons	3114..3426		

Seq. No.	5788	Seq. ID	OJ991013_10.0110.C15
Gene No.	12211	Strand	+
Start	80	End	296
Name	OJ991013_10.0110.C15.o1.gs	Method	GENSCAN
Start	80	End	296
GI	none	Score	.84
Exons	80..153, 272..296		

Seq. No.	5789	Seq. ID	OJ991013_10.0110.C17
Gene No.	12212	Strand	-
Start	169	End	1158
Name	OJ991013_10.0110.C17.o1.gp	Method	AAT/GAP
Start	169	End	628
GI	none	Score	885
Exons	169..628		

Seq. No.	5789	Seq. ID	OJ991013_10.0110.C17
Gene No.	12212	Strand	-
Start	169	End	1158
Name	OJ991013_10.0110.C17.o1.gs	Method	GENSCAN
Start	399	End	1158
GI	none	Score	.66
Exons	399..410, 713..838, 1031..1158		

Seq. No.	5790	Seq. ID	OJ991013_10.0110.C18
Gene No.	12213	Strand	+
Start	455	End	722
Name	OJ991013_10.0110.C18.o1.gs	Method	GENSCAN
Start	455	End	722
GI	none	Score	.48
Exons	455..574, 620..722		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12214	Strand	+
Start	7336	End	10395
Name	OJ991013_10.0110.C19.o2.gs	Method	GENSCAN

Start	7336	End	10395
GI	none	Score	.73
Exons	7336..7382, 7867..8894, 9737..10395		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12215	Strand	+
Start	21371	End	22413
Name	OJ991013_10.0110.C19.o5.gs	Method	GENSCAN
Start	21371	End	22413
GI	none	Score	.7
Exons	21371..21400, 22174..22413		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12216	Strand	-
Start	183	End	6613
Name	OJ991013_10.0110.C19.o1.gs	Method	GENSCAN
Start	183	End	6613
GI	none	Score	.81
Exons	183..295, 2334..2393, 2431..2647, 2696..2718, 5580..5694, 5777..5882, 5967..6119, 6194..6443, 6566..6613		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12216	Strand	-
Start	183	End	6613
Name	OJ991013_10.0110.C19.o1.np	Method	AAT/NAP
Start	5541	End	6613
GI	5668778	Score	537
Exons	5541..5694, 5777..5915, 5967..6119, 6194..6443, 6566..6613		
GI Descrip.	(AC007894) F21H2.2 [Arabidopsis thaliana]		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12217	Strand	-
Start	7904	End	11022
Name	OJ991013_10.0110.C19.o2.np	Method	AAT/NAP
Start	7904	End	10978
GI	2245004	Score	1569
Exons	7904..9022, 9727..10170, 10277..10347, 10843..10978		
GI Descrip.	(Z97341) membrane transporter like protein [Arabidopsis thaliana]		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12217	Strand	-
Start	7904	End	11022
Name	OJ991013_10.0110.C19.o1.gp	Method	AAT/GAP
Start	9945	End	11022
GI	24794_1.R1084	Score	902
Exons	9945..10170, 10277..10347, 10843..11022		
GI Descrip.	'2245004/emb|CAB10424.1| 1.0e-38 (Z97341) membrane transporter like protein [Arabidopsis thaliana]'		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12218	Strand	-
Start	14340	End	14726
Name	OJ991013_10.0110.C19.o2.gp	Method	AAT/GAP
Start	14340	End	14726
GI	91923_1.R1084	Score	538
Exons	14340..14513, 14534..14726		

GI Descrip. '4006878/emb|CAB16796.1| 7.0e-11 (Z99707) MAP3K-like protein kinase [Arabidopsis thaliana]'

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o2.tm	Method	TBLASTX:Maize
Start	5655	End	6252
GI	none	Score	54
Exons	5655..5708, 5659..5697, 5749..5883, 5767..5916, 5777..5884, 5962..6117, 5968..6117, 5969..6118, 5976..6143, 6189..6251, 6190..6252		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o2.ts	Method	TBLASTX:Soybean
Start	5962	End	6446
GI	none	Score	81
Exons	5962..6111, 5969..6094, 6198..6446, 6199..6444		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o3.tc	Method	TBLASTX:Cress
Start	6079	End	6616
GI	none	Score	102
Exons	6079..6117, 6180..6446, 6223..6444, 6566..6616		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o1.tw	Method	TBLASTX:Wheat
Start	7937	End	8243
GI	none	Score	355
Exons	7937..8242, 7938..8243		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o1.tm	Method	TBLASTX:Maize
Start	8066	End	8339
GI	none	Score	375
Exons	8066..8338, 8067..8339		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o1.tc	Method	TBLASTX:Cress
Start	8069	End	8338
GI	none	Score	245
Exons	8069..8338, 8070..8321		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o1.ts	Method	TBLASTX:Soybean

Start	8091	End	9973
GI	none	Score	247
Exons	8091..8339, 8093..8338, 8456..8518, 8531..8887, 8553..8879, 8981..9025, 9727..9969, 9731..9973		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o4.tm	Method	TBLASTX:Maize
Start	8687	End	8860
GI	none	Score	124
Exons	8687..8860, 8694..8843		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o2.tc	Method	TBLASTX:Cress
Start	9730	End	9973
GI	none	Score	292
Exons	9730..9969, 9737..9973		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o3.ts	Method	TBLASTX:Soybean
Start	10009	End	10976
GI	none	Score	72
Exons	10009..10176, 10269..10349, 10277..10348, 10835..10975, 10836..10976		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o4.tc	Method	TBLASTX:Cress
Start	10009	End	10952
GI	none	Score	37
Exons	10009..10176, 10076..10180, 10277..10348, 10281..10349, 10818..10952, 10835..10951		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o3.tm	Method	TBLASTX:Maize
Start	10829	End	11011
GI	none	Score	201
Exons	10829..10978, 10842..10985, 10895..11011		

Seq. No.	5791	Seq. ID	OJ991013_10.0110.C19
Gene No.	12219	Strand	-
Start	18451	End	19112
Name	OJ991013_10.0110.C19.o3.np	Method	AAT/NAP
Start	18451	End	19112
GI	6091738	Score	266
Exons	18451..18800, 19066..19112		
GI Descrip.	(AC010797) putative glutaredoxin [Arabidopsis thaliana] gi|6513931|gb|AAF14835.1|AC011664_17 (AC011664) putative glutaredoxin [Arabidopsis thaliana]		

Seq. No.	5792	Seq. ID	OJ991013_10.0110.C21
Gene No.	12220	Strand	-
Start	1	End	356
Name	OJ991013_10.0110.C21.o1.np	Method	AAT/NAP
Start	1	End	356
GI	2501357	Score	388
Exons	1..356		
GI Descrip.	1-DEOXYXYLULOSE-5-PHOSPHATE SYNTHASE (DXP SYNTHASE) gi|1773104 (U82664) similar to H. influenzae HI1439 [Escherichia coli] gi|1786622 (AE000148) 1-deoxyxylulose-5-phosphate synthase; flavoprotein [Escherichia coli] gi|2665586 (AF035440) D-1-deoxyxylulose 5-phosphate synthase [Escherichia coli]		

Seq. No.	5792	Seq. ID	OJ991013_10.0110.C21
Gene No.	12220	Strand	-
Start	1	End	356
Name	OJ991013_10.0110.C21.o1.tc	Method	TBLASTX:Cress
Start	4	End	355
GI	none	Score	64
Exons	4..99, 160..261, 274..354, 275..355		

Seq. No.	5792	Seq. ID	OJ991013_10.0110.C21
Gene No.	12220	Strand	-
Start	1	End	356
Name	OJ991013_10.0110.C21.o1.ts	Method	TBLASTX:Soybean
Start	4	End	355
GI	none	Score	69
Exons	4..99, 106..156, 178..258, 274..354, 275..355		

Seq. No.	5792	Seq. ID	OJ991013_10.0110.C21
Gene No.	12220	Strand	-
Start	1	End	356
Name	OJ991013_10.0110.C21.o1.gs	Method	GENSCAN
Start	63	End	342
GI	none	Score	.92
Exons	63..342		

Seq. No.	5793	Seq. ID	OJ991013_12.0112.C3
Gene No.	12221	Strand	-
Start	1	End	650
Name	OJ991013_12.0112.C3.o1.np	Method	AAT/NAP
Start	1	End	650
GI	2245072	Score	210
Exons	1..129, 214..376, 455..650		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5794	Seq. ID	OJ991013_12.0112.C4
Gene No.	12222	Strand	
Start	316	End	624
Name	OJ991013_12.0112.C4.o1.tm	Method	TBLASTX:Maize
Start	316	End	624
GI	none	Score	113
Exons	316..489, 331..489, 501..575, 502..561, 558..623, 562..624		

Seq. No.	5795	Seq. ID	OJ991013_12.0112.C5
Gene No.	12223	Strand	-

Start	1	End	392
Name	OJ991013_12.0112.C5.o1.np	Method	AAT/NAP
Start	1	End	389
GI	2245071	Score	229
Exons	1..120, 249..389		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5795	Seq. ID	OJ991013_12.0112.C5
Gene No.	12223	Strand	-
Start	1	End	392
Name	OJ991013_12.0112.C5.o1.gs	Method	GENSCAN
Start	249	End	392
GI	none	Score	.74
Exons	249..392		

Seq. No.	5796	Seq. ID	OJ991013_12.0112.C6
Gene No.	12224	Strand	-
Start	1	End	729
Name	OJ991013_12.0112.C6.o1.np	Method	AAT/NAP
Start	1	End	729
GI	2245072	Score	97
Exons	1..100, 177..275, 485..580, 662..729		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12225	Strand	+
Start	810	End	2740
Name	OJ991013_12.0112.C8.o1.gs	Method	GENSCAN
Start	810	End	2725
GI	none	Score	.76
Exons	810..968, 1048..1161, 1432..1632, 2384..2725		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12225	Strand	+
Start	810	End	2740
Name	OJ991013_12.0112.C8.o1.np	Method	AAT/NAP
Start	1066	End	2740
GI	2245069	Score	788
Exons	1066..1323, 1432..1632, 1741..1793, 1911..2019, 2384..2740		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12225	Strand	+
Start	810	End	2740
Name	OJ991013_12.0112.C8.o1.gp	Method	AAT/GAP
Start	1091	End	2034
GI	2799772	Score	1068
Exons	1091..1323, 1432..1632, 1741..1793, 1911..2034		
GI Descrip.	2245069/emb|CAB10492.1| 1.0e-29 (Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12226	Strand	+
Start	8571	End	11543
Name	OJ991013_12.0112.C8.o3.gs	Method	GENSCAN
Start	8571	End	11543
GI	none	Score	.73

Exons	8571..9091, 10044..10254, 10475..10585, 10752..11543		
Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12226	Strand	+
Start	8571	End	11543
Name	OJ991013_12.0112.C8.o2.np	Method	AAT/NAP
Start	8718	End	11531
GI	5302810	Score	1619
Exons	8718..9091, 10044..10254, 10475..10585, 10752..11531		
GI Descrip.	(Z97342) putative beta-amylase [Arabidopsis thaliana]		
Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12227	Strand	-
Start	3817	End	7704
Name	OJ991013_12.0112.C8.o2.gs	Method	GENSCAN
Start	3817	End	7704
GI	none	Score	.68
Exons	3817..3920, 4049..4185, 4727..4888, 4997..5090, 6542..6632, 7436..7580, 7649..7704		
Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o3.tm	Method	TBLASTX:Maize
Start	1024	End	1629
GI	none	Score	460
Exons	1024..1332, 1078..1326, 1419..1460, 1423..1461, 1458..1523, 1459..1533, 1521..1622, 1534..1629, 1534..1620		
Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o4.ts	Method	TBLASTX:Soybean
Start	1540	End	2506
GI	none	Score	75
Exons	1540..1632, 1738..1797, 1749..1796, 1911..2021, 1912..2022, 2383..2505, 2384..2506		
Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o4.tm	Method	TBLASTX:Maize
Start	1738	End	2786
GI	none	Score	110
Exons	1738..1797, 1738..1797, 1743..1799, 1910..2020, 1911..2021, 1912..2022, 2383..2640, 2383..2718, 2384..2716, 2745..2786		
Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o1.ts	Method	TBLASTX:Soybean
Start	8820	End	11492
GI	none	Score	42
Exons	8820..8846, 8922..9104, 9044..9124, 10038..10259, 10039..10260, 10041..10259, 10473..10583, 10474..10584, 10475..10591, 10481..10585, 10749..11285, 10751..10930, 10985..11203, 11327..11482, 11328..11492		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o2.tm	Method	TBLASTX:Maize
Start	8922	End	11429
GI	none	Score	231
Exons	8922..9086, 8969..9124, 10035..10259, 10041..10259, 10042..10260, 10454..10591, 10474..10584, 10749..10877, 10751..10891, 10811..10930, 10875..11285, 10875..10958, 10994..11203, 11118..11285, 11328..11417, 11337..11429		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o3.tc	Method	TBLASTX:Cress
Start	8922	End	10227
GI	none	Score	256
Exons	8922..9104, 9038..9124, 10035..10217, 10035..10226, 10039..10227		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o3.tw	Method	TBLASTX:Wheat
Start	8922	End	9103
GI	none	Score	218
Exons	8922..9083, 9047..9103		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o1.tw	Method	TBLASTX:Wheat
Start	10089	End	14149
GI	none	Score	70
Exons	10089..10247, 13831..14148, 13838..14149, 13979..14149		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o1.tc	Method	TBLASTX:Cress
Start	10483	End	11492
GI	none	Score	198
Exons	10483..10584, 10484..10591, 10484..10585, 10749..11210, 10805..11203, 11253..11285, 11327..11485, 11328..11492		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o2.tw	Method	TBLASTX:Wheat
Start	10818	End	11165
GI	none	Score	141
Exons	10818..11000, 10890..10958, 10988..11164, 10989..11165		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o2.gp	Method	AAT/GAP

Start	12233	End	12847
GI	uC-osflcypl17a10a1	Score	832
Exons	12233..12469, 12635..12847		
GI Descrip.	'3258570 5.0e-20 (U89959) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o2.ts	Method	TBLASTX:Soybean
Start	12407	End	14143
GI	none	Score	80
Exons	12407..12472, 12411..12473, 12645..12710, 12696..12734, 12713..12865, 12714..12851, 13067..13189, 13068..13193, 13087..13194, 13830..14138, 13831..14142, 13832..14143		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o4.gs	Method	GENSCAN
Start	12410	End	19498
GI	none	Score	.56
Exons	12410..12469, 12635..12666, 12727..12850, 13067..13187, 13832..14162, 14771..15374, 16063..16117, 16343..16512, 16620..16878, 18984..19498		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o3.np	Method	AAT/NAP
Start	12413	End	15186
GI	3258570	Score	1241
Exons	12413..12469, 12635..12886, 13067..13184, 13796..14162, 14771..15186		
GI Descrip.	(U89959) Unknown protein [Arabidopsis thaliana]		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o5.tm	Method	TBLASTX:Maize
Start	12725	End	14864
GI	none	Score	67
Exons	12725..12784, 12788..12859, 13067..13189, 13101..13190, 13831..14157, 13831..14178, 13832..14164, 14772..14864, 14773..14862		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o2.tc	Method	TBLASTX:Cress
Start	13831	End	14831
GI	none	Score	315
Exons	13831..14151, 13832..14140, 13944..14156, 14772..14831		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569

Name	OJ991013_12.0112.C8.o3.gp	Method	AAT/GAP
Start	14112	End	15240
GI	20266_1.R1084	Score	938
Exons	14112..14162, 14771..15240		
GI Descrip.	'3258570 9.0e-17 (U89959) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o6.tm	Method	TBLASTX:Maize
Start	14865	End	15140
GI	none	Score	107
Exons	14865..14912, 15036..15140, 15052..15117, 15087..15134		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o4.gp	Method	AAT/GAP
Start	15779	End	16228
GI	none	Score	861
Exons	15779..16228		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o5.gp	Method	AAT/GAP
Start	16260	End	16744
GI	none	Score	664
Exons	16260..16512, 16620..16744		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o1.tm	Method	TBLASTX:Maize
Start	16285	End	19354
GI	none	Score	45
Exons	16285..16317, 16289..16342, 16329..16514, 16333..16515, 16436..16516, 16618..16797, 16620..16880, 16701..16874, 16701..16832, 16702..16797, 16704..16877, 16704..16865, 16713..16874, 16720..16797, 16834..16881, 18965..19117, 18977..19117, 18977..19135, 18977..19135, 18977..19132, 18978..19247, 18978..19286, 18979..19200, 19014..19247, 19047..19244, 19190..19351, 19190..19288, 19196..19351, 19202..19354, 19202..19333, 19214..19351		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o4.np	Method	AAT/NAP
Start	16345	End	19569
GI	3668087	Score	1035
Exons	16345..16512, 16620..16878, 18984..19569		
GI Descrip.	(AC004667) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-

Start	12410	End	19569
Name	OJ991013_12.0112.C8.o3.ts	Method	TBLASTX:Soybean
Start	16360	End	19351
GI	none	Score	72
Exons	16360..16530, 16618..16797, 16618..16668, 16619..16876, 16620..16907, 16620..16880, 16704..16877, 16720..16794, 16796..16876, 18971..19057, 18977..19132, 18977..19117, 18977..19057, 18978..19196, 19047..19244, 19091..19135, 19101..19250, 19193..19333, 19202..19327, 19214..19351		

Seq. No.	5797	Seq. ID	OJ991013_12.0112.C8
Gene No.	12228	Strand	-
Start	12410	End	19569
Name	OJ991013_12.0112.C8.o4.tc	Method	TBLASTX:Cress
Start	16690	End	19351
GI	none	Score	100
Exons	16690..16794, 16692..16880, 16704..16829, 16837..16881, 18977..19117, 18978..19118, 19013..19135, 19014..19187, 19086..19250, 19205..19327, 19223..19351		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12229	Strand	+
Start	842	End	1435
Name	OJ991013_12.0112.C9.o1.gs	Method	GENSCAN
Start	842	End	1435
GI	none	Score	.92
Exons	842..850, 1202..1319, 1413..1435		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12230	Strand	+
Start	10474	End	15276
Name	OJ991013_12.0112.C9.o2.np	Method	AAT/NAP
Start	10474	End	15276
GI	5295971	Score	8144
Exons	10474..15276		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12230	Strand	+
Start	10474	End	15276
Name	OJ991013_12.0112.C9.o9.gp	Method	AAT/GAP
Start	12763	End	13118
GI	uC-osf1cyp139c12a1	Score	589
Exons	12763..13118		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12231	Strand	+
Start	16653	End	19347
Name	OJ991013_12.0112.C9.o4.gs	Method	GENSCAN
Start	16653	End	19003
GI	none	Score	.94

Exons	16653..16655, 17294..17453, 18302..18431, 18597..18726, 18929..19003		
Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12231	Strand	+
Start	16653	End	19347
Name	OJ991013_12.0112.C9.o12.gp	Method	AAT/GAP
Start	18604	End	19005
GI	200_1.R1084	Score	354
Exons	18604..18726, 18929..19005		
GI Descrip.	'1669573/dbj|BAA13608| 1.0e-176 (D88399) endosperm kinase [Oryza sativa]'		
Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12231	Strand	+
Start	16653	End	19347
Name	OJ991013_12.0112.C9.o3.np	Method	AAT/NAP
Start	18604	End	19347
GI	1944000	Score	273
Exons	18604..18726, 18929..19003, 19137..19347		
GI Descrip.	(AB002109) protein kinase [Oryza sativa]		
Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12232	Strand	-
Start	2313	End	7134
Name	OJ991013_12.0112.C9.o1.gp	Method	AAT/GAP
Start	2313	End	4034
GI	3724_1.R1084	Score	1543
Exons	2313..2672, 3193..3358, 3451..3560, 3823..4034		
GI Descrip.	'4325282/gb|AAD17313| 6.0e-49 (AF123310) NAC domain protein NAM [Arabidopsis thaliana] >gi_4325286_gb_AAD17314_ (AF123311) NAC domain protein NAM [Arabidopsis thaliana]'		
Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12232	Strand	-
Start	2313	End	7134
Name	OJ991013_12.0112.C9.o1.np	Method	AAT/NAP
Start	2542	End	7016
GI	6016428	Score	957
Exons	2542..2672, 3193..3358, 3451..3560, 3823..4039, 6774..7016		
GI Descrip.	PUTATIVE CASEIN KINASE II BETA-4 CHAIN (CK II) gi|3341688|gb|AAC27470.1| (AC003672) putative casein kinase II beta subunit [Arabidopsis thaliana]		
Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12232	Strand	-
Start	2313	End	7134
Name	OJ991013_12.0112.C9.o2.gs	Method	GENSCAN
Start	3250	End	6984
GI	none	Score	.65
Exons	3250..3282, 3317..3358, 3451..3560, 3823..4044, 5204..5331, 6275..6341, 6774..6984		
Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12232	Strand	-
Start	2313	End	7134
Name	OJ991013_12.0112.C9.o2.gp	Method	AAT/GAP

Start	6777	End	7134
GI	none	Score	547
Exons	6777..7134		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12233	Strand	-
Start	7677	End	8840
Name	OJ991013_12.0112.C9.o3.gp	Method	AAT/GAP
Start	7677	End	8840
GI	77081_1.R1084	Score	591
Exons	7677..7907, 8737..8840		
GI Descrip.	'3309082/gb|AAC26008.1| 2.0e-17 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12234	Strand	-
Start	8809	End	9323
Name	OJ991013_12.0112.C9.o4.gp	Method	AAT/GAP
Start	8809	End	9323
GI	uC-osflcyp065b08b1	Score	272
Exons	8809..8849, 8949..9029, 9250..9323		
GI Descrip.	'3309082/gb|AAC26008.1| 4.0e-47 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12235	Strand	-
Start	9245	End	9491
Name	OJ991013_12.0112.C9.o5.gp	Method	AAT/GAP
Start	9245	End	9491
GI	uC-osflcyp065b08b1	Score	260
Exons	9245..9302, 9383..9491		
GI Descrip.	'3309082/gb|AAC26008.1| 4.0e-47 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12235	Strand	-
Start	9245	End	9491
Name	OJ991013_12.0112.C9.o6.gp	Method	AAT/GAP
Start	9245	End	9491
GI	uC-osflcyp065b08b1	Score	295
Exons	9245..9302, 9383..9491		
GI Descrip.	'3309082/gb|AAC26008.1| 4.0e-47 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12236	Strand	-
Start	9947	End	10263
Name	OJ991013_12.0112.C9.o7.gp	Method	AAT/GAP
Start	9947	End	10263
GI	86158_1.R1084	Score	392
Exons	9947..10111, 10136..10263		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12237	Strand	-
Start	12319	End	12754

Name	OJ991013_12.0112.C9.o8.gp	Method	AAT/GAP
Start	12319	End	12754
GI	uC-osf1M2020118f01a1	Score	809
Exons	12319..12754		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12238	Strand	-
Start	14448	End	14902
Name	OJ991013_12.0112.C9.o10.gp	Method	AAT/GAP
Start	14448	End	14902
GI	36280_1.R1084	Score	866
Exons	14448..14902		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o1.tc	Method	TBLASTX:Cress
Start	2491	End	4027
GI	none	Score	118
Exons	2491..2673, 2548..2673, 3188..3358, 3189..3359, 3448..3561, 3452..3562, 3789..3983, 3815..3979, 3850..4023, 3867..4022, 3892..4023, 3965..4027		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o5.tm	Method	TBLASTX:Maize
Start	2527	End	6985
GI	none	Score	199
Exons	2527..2673, 2528..2671, 3187..3357, 3188..3358, 3189..3359, 3189..3359, 3193..3366, 3429..3545, 3448..3558, 3452..3559, 3789..3983, 3818..4042, 3820..4038, 3872..4039, 6689..6766, 6798..6824, 6865..6942, 6872..6943, 6892..6969, 6894..6956, 6938..6985		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o2.ts	Method	TBLASTX:Soybean
Start	2548	End	6997
GI	none	Score	147
Exons	2548..2673, 2548..2673, 3188..3358, 3189..3359, 3448..3561, 3449..3562, 3789..3983, 3815..3979, 3819..4037, 3820..4038, 3850..4041, 3965..4039, 6868..6948, 6872..6934, 6950..6997		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o9.tm	Method	TBLASTX:Maize

Start	7799	End	16986
GI	none	Score	125
Exons	7799..7909, 7812..7922, 7818..7913, 8736..8852, 8737..8850, 8738..8851, 8940..9032, 8949..9032, 8950..9039, 9245..9301, 9247..9300, 9249..9302, 9342..9494, 9376..9492, 9383..9499, 9583..9678, 9601..9666, 9606..9668, 16678..16764, 16688..16771, 16690..16752, 16914..16982, 16918..16986		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o4.tc	Method	TBLASTX:Cress
Start	7844	End	9678
GI	none	Score	90
Exons	7844..7909, 7845..7913, 8736..8852, 8737..8850, 8943..9032, 9247..9300, 9379..9492, 9384..9494, 9580..9678, 9606..9668		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o6.tw	Method	TBLASTX:Wheat
Start	7856	End	9668
GI	none	Score	54
Exons	7856..7909, 7857..7910, 8949..9032, 9244..9300, 9245..9295, 9343..9501, 9384..9494, 9606..9668, 9616..9666		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o5.ts	Method	TBLASTX:Soybean
Start	8943	End	16771
GI	none	Score	94
Exons	8943..9032, 9247..9300, 9343..9492, 9387..9494, 9606..9668, 9607..9759, 16688..16771, 16690..16752		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o7.tm	Method	TBLASTX:Maize
Start	10866	End	11158
GI	none	Score	360
Exons	10866..11081, 10867..11157, 10936..11157, 11096..11158		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o1.tm	Method	TBLASTX:Maize
Start	11391	End	12111
GI	none	Score	262
Exons	11391..11666, 11392..11667, 11409..11666, 11649..11681, 11686..12111, 11687..12010, 11932..12111		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o2.tw	Method	TBLASTX:Wheat
Start	12036	End	12489

GI	none	Score	334
Exons	12036..12341, 12037..12402, 12040..12429, 12397..12489, 12409..12489		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o8.tm	Method	TBLASTX:Maize
Start	12126	End	12366
GI	none	Score	304
Exons	12126..12365, 12127..12366		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o6.ts	Method	TBLASTX:Soybean
Start	12427	End	12702
GI	none	Score	194
Exons	12427..12702, 12523..12603		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o3.tw	Method	TBLASTX:Wheat
Start	12562	End	13113
GI	none	Score	105
Exons	12562..12702, 12760..13026, 12777..12926, 13029..13100, 13033..13113		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o2.tm	Method	TBLASTX:Maize
Start	12765	End	13191
GI	none	Score	700
Exons	12765..13190, 12769..13191		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o1.ts	Method	TBLASTX:Soybean
Start	12796	End	13275
GI	none	Score	348
Exons	12796..13104, 12801..13091, 13129..13275		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o3.tc	Method	TBLASTX:Cress
Start	12811	End	13251
GI	none	Score	203
Exons	12811..13107, 12861..12893, 12951..13097, 13129..13251		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o3.ts	Method	TBLASTX:Soybean

Start	13726	End	14223
GI	5509260	Score	423
Exons	13726..14223, 13806..13982, 14046..14204		
GI Descrip.	-		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o6.tm	Method	TBLASTX:Maize
Start	13777	End	14073
GI	none	Score	387
Exons	13777..14073, 13803..14072		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o5.tc	Method	TBLASTX:Cress
Start	13848	End	14112
GI	none	Score	244
Exons	13848..13979, 13849..14112		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o1.tw	Method	TBLASTX:Wheat
Start	13893	End	14448
GI	none	Score	317
Exons	13893..13982, 13894..14238, 14047..14214, 14049..14234, 14224..14448		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o3.tm	Method	TBLASTX:Maize
Start	14275	End	14664
GI	none	Score	603
Exons	14275..14664, 14275..14664		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o5.tw	Method	TBLASTX:Wheat
Start	14449	End	14760
GI	none	Score	64
Exons	14449..14556, 14581..14760		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o2.tc	Method	TBLASTX:Cress
Start	14581	End	15243
GI	none	Score	255
Exons	14581..14868, 14643..14753, 14775..14867, 14877..14954, 14878..14958, 15025..15243, 15033..15239		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-

Start	15287	End	16986
Name	OJ991013_12.0112.C9.o4.ts	Method	TBLASTX:Soybean
Start	14602	End	15252
GI	none	Score	147
Exons	14602..14763, 14775..14936, 14776..14964, 15019..15252, 15033..15119		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o11.tm	Method	TBLASTX:Maize
Start	14664	End	14847
GI	none	Score	199
Exons	14664..14846, 14665..14847		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o4.tw	Method	TBLASTX:Wheat
Start	14794	End	15213
GI	none	Score	124
Exons	14794..14964, 14877..14954, 15010..15213, 15033..15200		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o4.tm	Method	TBLASTX:Maize
Start	14853	End	15242
GI	none	Score	512
Exons	14853..14960, 14854..15240, 14856..15242, 14885..15118, 14935..15240, 15018..15242		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12239	Strand	-
Start	15287	End	16986
Name	OJ991013_12.0112.C9.o11.gp	Method	AAT/GAP
Start	15287	End	15600
GI	86158_1.R1084	Score	387
Exons	15287..15448, 15473..15600		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	5798	Seq. ID	OJ991013_12.0112.C9
Gene No.	12240	Strand	
Start	18586	End	19014
Name	OJ991013_12.0112.C9.o10.tm	Method	TBLASTX:Maize
Start	18586	End	19014
GI	none	Score	203
Exons	18586..18729, 18603..18725, 18604..18729, 18926..19006, 18928..19014, 18928..19005		

Seq. No.	5799	Seq. ID	OJ991013_12.0112.C10
Gene No.	12241	Strand	+
Start	1	End	1274
Name	OJ991013_12.0112.C10.o1.np	Method	AAT/NAP
Start	1	End	1274
GI	2245070	Score	55

Exons	1..39, 981..1105, 1218..1274		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	5800	Seq. ID	OJ991013_12.0112.C11
Gene No.	12242	Strand	+
Start	131	End	976
Name	OJ991013_12.0112.C11.o1.gs	Method	GENSCAN
Start	131	End	976
GI	none	Score	.83
Exons	131..228, 301..453, 890..976		
Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12243	Strand	+
Start	19586	End	21621
Name	OJ991013_12.0112.C12.o4.gs	Method	GENSCAN
Start	19586	End	21621
GI	none	Score	.85
Exons	19586..19720, 20121..20388, 20468..20593, 21479..21621		
Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12244	Strand	-
Start	1	End	6073
Name	OJ991013_12.0112.C12.o1.np	Method	AAT/NAP
Start	1	End	2010
GI	2245072	Score	522
Exons	1..238, 315..505, 1064..1165, 1592..1861, 1915..2010		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12244	Strand	-
Start	1	End	6073
Name	OJ991013_12.0112.C12.o1.gs	Method	GENSCAN
Start	315	End	6073
GI	none	Score	.81
Exons	315..497, 1739..1856, 1928..2022, 2196..2246, 2331..2465, 2557..2660, 3473..3638, 3873..3951, 4444..4762, 4861..4925, 5257..5374, 6001..6073		
Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12244	Strand	-
Start	1	End	6073
Name	OJ991013_12.0112.C12.o2.np	Method	AAT/NAP
Start	1602	End	3282
GI	4007096	Score	62
Exons	1602..1658, 2331..2465, 2557..2697, 3223..3282		
GI Descrip.	(AL031276) dJ1118D24.1d (part of novel protein similar to worm proteins T08G11.1 and C25H3.9) [Homo sapiens]		
Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12245	Strand	-
Start	12232	End	18679
Name	OJ991013_12.0112.C12.o3.gs	Method	GENSCAN
Start	12232	End	18679
GI	none	Score	.43
Exons	12232..12504, 13123..13671, 13777..14084, 14168..14363, 17161..17393, 17739..17937, 17948..18371, 18660..18679		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12246	Strand	-
Start	22683	End	22893
Name	OJ991013_12.0112.C12.o1.ts	Method	TBLASTX:Soybean
Start	20103	End	20628
GI	none	Score	245
Exons	20103..20456, 20234..20428, 20505..20600, 20524..20628		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12246	Strand	-
Start	22683	End	22893
Name	OJ991013_12.0112.C12.o1.tm	Method	TBLASTX:Maize
Start	20190	End	20480
GI	none	Score	359
Exons	20190..20342, 20199..20480, 20200..20424, 20213..20470		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12246	Strand	-
Start	22683	End	22893
Name	OJ991013_12.0112.C12.o2.tw	Method	TBLASTX:Wheat
Start	20253	End	20625
GI	none	Score	175
Exons	20253..20498, 20491..20625, 20496..20600		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12246	Strand	-
Start	22683	End	22893
Name	OJ991013_12.0112.C12.o2.tm	Method	TBLASTX:Maize
Start	20701	End	21168
GI	none	Score	39
Exons	20701..20718, 20721..20897, 20729..20890, 20888..21070, 21092..21139, 21136..21168		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12246	Strand	-
Start	22683	End	22893
Name	OJ991013_12.0112.C12.o1.tw	Method	TBLASTX:Wheat
Start	20900	End	21261
GI	none	Score	176
Exons	20900..21139, 21136..21261, 21159..21260		

Seq. No.	5801	Seq. ID	OJ991013_12.0112.C12
Gene No.	12246	Strand	-
Start	22683	End	22893
Name	OJ991013_12.0112.C12.o5.gs	Method	GENSCAN
Start	22683	End	22893
GI	none	Score	.48
Exons	22683..22893		

Seq. No.	5802	Seq. ID	OJ991013_12.0112.C13
Gene No.	12247	Strand	+
Start	443	End	614
Name	OJ991013_12.0112.C13.o1.gs	Method	GENSCAN
Start	443	End	614
GI	none	Score	.97
Exons	443..614		

Seq. No.	5803	Seq. ID	OJ991013_12.0112.C15
Gene No.	12248	Strand	+
Start	312	End	2764
Name	OJ991013_12.0112.C15.o1.gs	Method	GENSCAN
Start	312	End	2764
GI	none	Score	.79
Exons	312..604, 688..808, 1199..1286, 1377..1607, 1701..1868, 2138..2331, 2645..2764		

Seq. No.	5803	Seq. ID	OJ991013_12.0112.C15
Gene No.	12248	Strand	+
Start	312	End	2764
Name	OJ991013_12.0112.C15.o1.gp	Method	AAT/GAP
Start	469	End	1429
GI	72807_1.R1084	Score	745
Exons	469..604, 942..1103, 1199..1286, 1377..1429		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 6.0e-22 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	5803	Seq. ID	OJ991013_12.0112.C15
Gene No.	12248	Strand	+
Start	312	End	2764
Name	OJ991013_12.0112.C15.o2.tm	Method	TBLASTX:Maize
Start	940	End	1106
GI	none	Score	213
Exons	940..1101, 942..1106		

Seq. No.	5803	Seq. ID	OJ991013_12.0112.C15
Gene No.	12248	Strand	+
Start	312	End	2764
Name	OJ991013_12.0112.C15.o1.tm	Method	TBLASTX:Maize
Start	1475	End	2164
GI	none	Score	157
Exons	1475..1606, 1477..1605, 1483..1608, 1695..1871, 1699..1878, 1700..1879, 2129..2164		

Seq. No.	5804	Seq. ID	OJ991013_12.0112.C16
Gene No.	12249	Strand	+
Start	323	End	3450
Name	OJ991013_12.0112.C16.o1.gs	Method	GENSCAN
Start	323	End	3448
GI	none	Score	.79
Exons	323..464, 886..910, 1303..1379, 1804..1998, 2552..2624, 2700..2786, 2971..3108, 3246..3448		

Seq. No.	5804	Seq. ID	OJ991013_12.0112.C16
Gene No.	12249	Strand	+
Start	323	End	3450
Name	OJ991013_12.0112.C16.o1.tm	Method	TBLASTX:Maize
Start	1916	End	3450
GI	none	Score	102
Exons	1916..2008, 1924..2010, 1928..1996, 2545..2616, 2546..2623, 2550..2624, 2550..2624, 2685..2789, 2697..2786, 2698..2790, 2949..3107, 2966..3130, 2968..3111, 2969..3121, 3236..3379, 3243..3449, 3244..3450, 3244..3423		

Seq. No.	5805	Seq. ID	OJ991213_05.0110.C1

Gene No.	12250	Strand	-
Start	1	End	792
Name	OJ991213_05.0110.C1.o1.np	Method	AAT/NAP
Start	1	End	718
GI	6006359	Score	54
Exons	1..79, 633..718		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	5805	Seq. ID	OJ991213_05.0110.C1
Gene No.	12250	Strand	-
Start	1	End	792
Name	OJ991213_05.0110.C1.o1.gs	Method	GENSCAN
Start	514	End	792
GI	none	Score	.86
Exons	514..792		

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12251	Strand	+
Start	361	End	6127
Name	OJ991213_05.0110.C2.o1.gs	Method	GENSCAN
Start	361	End	6127
GI	none	Score	.44
Exons	361..421, 608..731, 1590..1655, 1712..1821, 2171..2863, 3037..3603, 4603..4699, 4998..5216, 5962..6127		

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12251	Strand	+
Start	361	End	6127
Name	OJ991213_05.0110.C2.o1.np	Method	AAT/NAP
Start	2329	End	5006
GI	130593	Score	406
Exons	2329..2431, 3893..5006		
GI Descrip.	ENZYMATIC POLYPROTEIN [CONTAINS: ASPARTIC PROTEASE ; ENDONUCLEASE; REVERSE TRANSCRIPTASE] gi|76775|pir||S00854 hypothetical protein 5 - carnation etched ring virus gi|58863|emb|CAA28360| (X04658) pot. ORF 5 (AA 1-659) [Carnation etched ring virus] gi|225356|prf||1301227E ORF 5 [Carnation etched ring virus]		

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12252	Strand	+
Start	7484	End	10797
Name	OJ991213_05.0110.C2.o1.tw	Method	TBLASTX:Wheat
Start	3922	End	4299
GI	none	Score	66
Exons	3922..4065, 4054..4299		

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12252	Strand	+
Start	7484	End	10797
Name	OJ991213_05.0110.C2.o1.gp	Method	AAT/GAP
Start	6803	End	6897
GI	5867_1.R1084	Score	134
Exons	6803..6897		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674		

ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12252	Strand	+
Start	7484	End	10797
Name	OJ991213_05.0110.C2.o2.gp	Method	AAT/GAP
Start	6974	End	7076
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	6974..7076		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12252	Strand	+
Start	7484	End	10797
Name	OJ991213_05.0110.C2.o2.gs	Method	GENSCAN
Start	7484	End	10797
GI	none	Score	.48
Exons	7484..7577, 7815..7889, 7909..8023, 8167..8669, 8799..9298, 9889..10797		

Seq. No.	5806	Seq. ID	OJ991213_05.0110.C2
Gene No.	12252	Strand	+
Start	7484	End	10797
Name	OJ991213_05.0110.C2.o2.np	Method	AAT/NAP
Start	7788	End	9315
GI	6539588	Score	161
Exons	7788..8038, 9284..9315		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5807	Seq. ID	OJ991213_05.0110.C3
Gene No.	12253	Strand	+
Start	1	End	498
Name	OJ991213_05.0110.C3.o1.np	Method	AAT/NAP
Start	1	End	498
GI	2494855	Score	338
Exons	1..498		
GI Descrip.	PROBABLE HYDROXYACYLGLUTATHIONE HYDROLASE (GLYOXALASE II) (GLX II) gi|1652024|dbj|BAA16950| (D90901) glyoxalase II [Synechocystis sp.]		

Seq. No.	5807	Seq. ID	OJ991213_05.0110.C3
Gene No.	12253	Strand	+
Start	1	End	498
Name	OJ991213_05.0110.C3.o1.tm	Method	TBLASTX:Maize
Start	34	End	482
GI	none	Score	83
Exons	34..150, 148..345, 174..344, 348..482		

Seq. No.	5807	Seq. ID	OJ991213_05.0110.C3
Gene No.	12253	Strand	+
Start	1	End	498
Name	OJ991213_05.0110.C3.o1.ts	Method	TBLASTX:Soybean

Start	34	End	482
GI	none	Score	91
Exons	34..156, 172..345, 180..344, 345..482		

Seq. No.	5807	Seq. ID	OJ991213_05.0110.C3
Gene No.	12253	Strand	+
Start	1	End	498
Name	OJ991213_05.0110.C3.o1.gs	Method	GENSCAN
Start	68	End	385
GI	none	Score	.46
Exons	68..385		

Seq. No.	5807	Seq. ID	OJ991213_05.0110.C3
Gene No.	12253	Strand	+
Start	1	End	498
Name	OJ991213_05.0110.C3.o1.tc	Method	TBLASTX:Cress
Start	112	End	485
GI	none	Score	56
Exons	112..150, 159..278, 160..252, 259..345, 261..344, 345..485		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12254	Strand	+
Start	1	End	12076
Name	OJ991213_05.0110.C6.o2.np	Method	AAT/NAP
Start	1	End	7254
GI	6572067	Score	433
Exons	1..79, 2187..2257, 2333..2433, 3338..3469, 5745..5780, 5880..5920, 6106..6185, 6809..6902, 7077..7254		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12254	Strand	+
Start	1	End	12076
Name	OJ991213_05.0110.C6.o1.gs	Method	GENSCAN
Start	1376	End	10905
GI	none	Score	.9
Exons	1376..1458, 1758..1872, 2187..2257, 3338..3437, 5894..6002, 6106..6178, 6809..6902, 7077..7166, 8433..8621, 10289..10432, 10468..10905		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12254	Strand	+
Start	1	End	12076
Name	OJ991213_05.0110.C6.o1.gp	Method	AAT/GAP
Start	8451	End	8753
GI	none	Score	558
Exons	8451..8753		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12254	Strand	+
Start	1	End	12076
Name	OJ991213_05.0110.C6.o4.np	Method	AAT/NAP
Start	9138	End	12076
GI	4335745	Score	78
Exons	9138..9225, 10425..10656, 12032..12076		
GI Descrip.	(AC006284) putative esterase [Arabidopsis thaliana]		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12255	Strand	+
Start	12273	End	14223
Name	OJ991213_05.0110.C6.o3.gs	Method	GENSCAN
Start	12273	End	14223
GI	none	Score	.53
Exons	12273..12555, 13136..13259, 13355..13536, 13943..14223		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12256	Strand	-
Start	1	End	5857
Name	OJ991213_05.0110.C6.o1.np	Method	AAT/NAP
Start	1	End	5857
GI	6069646	Score	504
Exons	1..78, 571..1285, 1557..1904, 5822..5857		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12257	Strand	-
Start	9622	End	13443
Name	OJ991213_05.0110.C6.o3.np	Method	AAT/NAP
Start	9622	End	13443
GI	3810596	Score	183
Exons	9622..10054, 10608..10783, 11019..11208, 12615..12737, 13386..13443		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12257	Strand	-
Start	9622	End	13443
Name	OJ991213_05.0110.C6.o2.gs	Method	GENSCAN
Start	11292	End	11676
GI	none	Score	.57
Exons	11292..11605, 11610..11676		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o1.tm	Method	TBLASTX:Maize
Start	332	End	879
GI	none	Score	40
Exons	332..349, 406..507, 430..555, 550..792, 554..784, 571..855, 788..874, 793..879		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o1.tw	Method	TBLASTX:Wheat
Start	595	End	784
GI	none	Score	67
Exons	595..780, 596..784		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o2.tm	Method	TBLASTX:Maize
Start	1349	End	1863
GI	none	Score	45
Exons	1349..1405, 1353..1403, 1436..1717, 1440..1715, 1720..1863, 1773..1844		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o5.tm	Method	TBLASTX:Maize
Start	3365	End	7139
GI	none	Score	124
Exons	3365..3445, 3366..3437, 5891..6001, 5891..6001, 5892..6032, 6105..6179, 6106..6180, 6106..6180, 6107..6181, 6108..6182, 6801..6902, 6808..6903, 6809..6904, 6809..6904, 7056..7139, 7077..7139		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o6.tm	Method	TBLASTX:Maize
Start	11063	End	13059
GI	none	Score	74
Exons	11063..11146, 12629..12736, 12734..12868, 12853..13059		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o5.np	Method	AAT/NAP
Start	14852	End	17989
GI	6006864	Score	747
Exons	14852..15186, 15684..15836, 16061..16266, 16363..16603, 16812..16945, 17232..17989		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o4.gs	Method	GENSCAN
Start	14944	End	17862
GI	none	Score	.95
Exons	14944..15180, 15684..15786, 15891..15937, 16055..16266, 16363..16603, 16812..16945, 17232..17862		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o2.tc	Method	TBLASTX:Cress
Start	14962	End	15216
GI	none	Score	78
Exons	14962..15102, 14974..15216, 14975..15121		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-

Start	14944	End	17989
Name	OJ991213_05.0110.C6.o4.tm	Method	TBLASTX:Maize
Start	16052	End	16265
GI	none	Score	130
Exons	16052..16153, 16053..16157, 16172..16261, 16172..16261, 16173..16265		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o1.ts	Method	TBLASTX:Soybean
Start	16073	End	16436
GI	none	Score	157
Exons	16073..16267, 16074..16268, 16361..16435, 16362..16436		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o1.tc	Method	TBLASTX:Cress
Start	16133	End	16947
GI	none	Score	65
Exons	16133..16264, 16155..16244, 16359..16448, 16364..16447, 16448..16603, 16449..16598, 16452..16613, 16818..16946, 16828..16947		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o3.tm	Method	TBLASTX:Maize
Start	16529	End	17602
GI	none	Score	112
Exons	16529..16606, 16530..16604, 16530..16610, 16531..16605, 16532..16606, 16807..16887, 16809..16889, 16810..16887, 16812..16889, 16881..16946, 16903..16947, 17231..17602, 17236..17346, 17410..17580, 17414..17602		

Seq. No.	5808	Seq. ID	OJ991213_05.0110.C6
Gene No.	12258	Strand	-
Start	14944	End	17989
Name	OJ991213_05.0110.C6.o2.ts	Method	TBLASTX:Soybean
Start	17488	End	17859
GI	none	Score	62
Exons	17488..17859, 17537..17722		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12259	Strand	+
Start	4230	End	4781
Name	OJ991213_05.0110.C7.o1.gs	Method	GENSCAN
Start	4230	End	4781
GI	none	Score	.66
Exons	4230..4781		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12260	Strand	+
Start	7910	End	11663
Name	OJ991213_05.0110.C7.o4.gs	Method	GENSCAN
Start	7910	End	11105

GI	none	Score	.5
Exons	7910..8404, 8581..9286, 9302..10256, 10339..10468, 10973..11105		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12260	Strand	+
Start	7910	End	11663
Name	OJ991213_05.0110.C7.o3.np	Method	AAT/NAP
Start	7924	End	11663
GI	6705984	Score	424
Exons	7924..7984, 10349..10808, 11619..11663		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12260	Strand	+
Start	7910	End	11663
Name	OJ991213_05.0110.C7.o2.np	Method	AAT/NAP
Start	8183	End	11035
GI	6721562	Score	412
Exons	8183..8404, 8776..9105, 9355..9974, 10992..11035		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12260	Strand	+
Start	7910	End	11663
Name	OJ991213_05.0110.C7.o4.np	Method	AAT/NAP
Start	9978	End	11663
GI	6498436	Score	409
Exons	9978..10063, 11182..11663		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12261	Strand	-
Start	841	End	941
Name	OJ991213_05.0110.C7.o1.gp	Method	AAT/GAP
Start	841	End	941
GI	44750_1.R1084	Score	154
Exons	841..941		
GI Descrip.	'1657619 4.0e-18 (U72504) G5p [Arabidopsis thaliana] >gi_3068710 (AF049236) putative transmembrane protein G5p [Arabidopsis thaliana]'		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12262	Strand	-
Start	843	End	6633
Name	OJ991213_05.0110.C7.o1.np	Method	AAT/NAP
Start	843	End	6610
GI	5734705	Score	71
Exons	843..1054, 5545..5617, 6083..6377, 6500..6610		
GI Descrip.	(AC008075) F24J5.4 [Arabidopsis thaliana] gi|6524187|gb|AAF15072.1|AC011914_14 (AC011914) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7

Gene No.	12262	Strand	-
Start	843	End	6633
Name	OJ991213_05.0110.C7.o2.gs	Method	GENSCAN
Start	5453	End	5770
GI	none	Score	.45
Exons	5453..5770		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12262	Strand	-
Start	843	End	6633
Name	OJ991213_05.0110.C7.o3.gs	Method	GENSCAN
Start	6138	End	6633
GI	none	Score	.83
Exons	6138..6203, 6250..6399, 6435..6561, 6563..6633		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12263	Strand	
Start	9448	End	9840
Name	OJ991213_05.0110.C7.o2.tw	Method	TBLASTX:Wheat
Start	9448	End	9840
GI	none	Score	64
Exons	9448..9492, 9493..9606, 9516..9596, 9565..9840, 9579..9785		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12264	Strand	
Start	10334	End	10813
Name	OJ991213_05.0110.C7.o1.tw	Method	TBLASTX:Wheat
Start	10334	End	10785
GI	none	Score	263
Exons	10334..10591, 10346..10597, 10369..10596, 10596..10682, 10601..10780, 10610..10762, 10621..10785		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12264	Strand	
Start	10334	End	10813
Name	OJ991213_05.0110.C7.o1.ts	Method	TBLASTX:Soybean
Start	10373	End	10792
GI	none	Score	172
Exons	10373..10642, 10414..10638, 10430..10642, 10634..10792, 10651..10782		

Seq. No.	5809	Seq. ID	OJ991213_05.0110.C7
Gene No.	12264	Strand	
Start	10334	End	10813
Name	OJ991213_05.0110.C7.o1.tm	Method	TBLASTX:Maize
Start	10561	End	10813
GI	none	Score	201
Exons	10561..10695, 10562..10795, 10589..10813		

Seq. No.	5810	Seq. ID	OJ991213_05.0110.C8
Gene No.	12265	Strand	+
Start	333	End	1150
Name	OJ991213_05.0110.C8.o1.tw	Method	TBLASTX:Wheat
Start	296	End	978
GI	none	Score	64
Exons	296..406, 443..679, 445..531, 447..605, 455..622, 604..669, 737..976, 857..973, 880..978		

Seq. No.	5810	Seq. ID	OJ991213_05.0110.C8
Gene No.	12265	Strand	+
Start	333	End	1150
Name	OJ991213_05.0110.C8.o1.np	Method	AAT/NAP
Start	333	End	1150
GI	6498441	Score	410
Exons	333..739, 794..1150		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5810	Seq. ID	OJ991213_05.0110.C8
Gene No.	12265	Strand	+
Start	333	End	1150
Name	OJ991213_05.0110.C8.o1.gs	Method	GENSCAN
Start	374	End	862
GI	none	Score	.97
Exons	374..862		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12266	Strand	+
Start	1	End	2687
Name	OJ991213_05.0110.C9.o1.np	Method	AAT/NAP
Start	1	End	2687
GI	5902445	Score	2440
Exons	1..1353, 1386..2687		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12266	Strand	+
Start	1	End	2687
Name	OJ991213_05.0110.C9.o1.gs	Method	GENSCAN
Start	181	End	2665
GI	none	Score	.63
Exons	181..1248, 1302..1685, 2123..2245, 2309..2665		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12267	Strand	-
Start	3303	End	7311
Name	OJ991213_05.0110.C9.o2.gs	Method	GENSCAN
Start	3303	End	6367
GI	none	Score	.93
Exons	3303..3824, 3974..4070, 4207..4920, 5049..5107, 5178..5372, 5441..5565, 5968..6110, 6285..6367		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12267	Strand	-
Start	3303	End	7311
Name	OJ991213_05.0110.C9.o2.np	Method	AAT/NAP
Start	4206	End	5678
GI	6721561	Score	1040
Exons	4206..4968, 5049..5107, 5178..5372, 5610..5678		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12267	Strand	-
Start	3303	End	7311
Name	OJ991213_05.0110.C9.o4.np	Method	AAT/NAP
Start	5604	End	7311
GI	6721512	Score	67
Exons	5604..5673, 6899..7014, 7057..7192, 7220..7311		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12267	Strand	-
Start	3303	End	7311
Name	OJ991213_05.0110.C9.o3.np	Method	AAT/NAP
Start	5660	End	6392
GI	6907089	Score	274
Exons	5660..6392		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o2.tm	Method	TBLASTX:Maize
Start	28	End	411
GI	none	Score	324
Exons	28..411, 63..410		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o1.tw	Method	TBLASTX:Wheat
Start	84	End	509
GI	none	Score	448
Exons	84..509, 85..507		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o1.ts	Method	TBLASTX:Soybean
Start	156	End	564
GI	none	Score	65
Exons	156..287, 169..564, 171..323		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o4.tw	Method	TBLASTX:Wheat
Start	654	End	1062
GI	none	Score	203
Exons	654..872, 655..879, 886..1062, 939..1061		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o5.tw	Method	TBLASTX:Wheat
Start	1065	End	6238

GI	none	Score	182
Exons	1065..1355, 1102..1359, 6113..6238		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o1.tm	Method	TBLASTX:Maize
Start	1563	End	1868
GI	none	Score	343
Exons	1563..1868, 1580..1867		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o3.tw	Method	TBLASTX:Wheat
Start	1563	End	1946
GI	none	Score	363
Exons	1563..1946, 1571..1945		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o2.tw	Method	TBLASTX:Wheat
Start	2069	End	2678
GI	none	Score	346
Exons	2069..2521, 2218..2325, 2546..2593, 2607..2678		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o3.tm	Method	TBLASTX:Maize
Start	2291	End	2554
GI	none	Score	186
Exons	2291..2554		

Seq. No.	5811	Seq. ID	OJ991213_05.0110.C9
Gene No.	12268	Strand	-
Start	8898	End	8933
Name	OJ991213_05.0110.C9.o3.gs	Method	GENSCAN
Start	8898	End	8933
GI	none	Score	.61
Exons	8898..8933		

Seq. No.	5812	Seq. ID	OJ991213_05.0110.C11
Gene No.	12269	Strand	+
Start	1	End	5777
Name	OJ991213_05.0110.C11.o1.np	Method	AAT/NAP
Start	1	End	5777
GI	5852180	Score	415
Exons	1..30, 2844..2896, 3866..3983, 4035..4446, 5750..5777		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5812	Seq. ID	OJ991213_05.0110.C11
Gene No.	12269	Strand	+
Start	1	End	5777
Name	OJ991213_05.0110.C11.o1.gs	Method	GENSCAN
Start	199	End	715

GI	none	Score	.72
Exons	199..344, 387..474, 617..715		

Seq. No.	5812	Seq. ID	OJ991213_05.0110.C11
Gene No.	12270	Strand	-
Start	2745	End	3126
Name	OJ991213_05.0110.C11.o1.gp	Method	AAT/GAP
Start	2745	End	3126
GI	uC-osflcyp033a04b1	Score	651
Exons	2745..3126		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12271	Strand	+
Start	543	End	1352
Name	OJ991213_05.0110.C12.o1.gs	Method	GENSCAN
Start	543	End	1352
GI	none	Score	.89
Exons	543..1352		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12272	Strand	+
Start	1601	End	6118
Name	OJ991213_05.0110.C12.o1.np	Method	AAT/NAP
Start	1601	End	6118
GI	4680179	Score	5363
Exons	1601..2683, 2717..6118		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12273	Strand	+
Start	8290	End	16233
Name	OJ991213_05.0110.C12.o2.gp	Method	AAT/GAP
Start	8192	End	8574
GI	uC-osflcyp033a04b1	Score	704
Exons	8192..8574		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12273	Strand	+
Start	8290	End	16233
Name	OJ991213_05.0110.C12.o3.gs	Method	GENSCAN
Start	8290	End	16233
GI	none	Score	.54
Exons	8290..8361, 9357..9666, 9855..10645, 10667..11015, 11335..12366, 12884..13830, 14080..14511, 14538..14751, 15793..15858, 15923..16045, 16184..16233		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12273	Strand	+
Start	8290	End	16233
Name	OJ991213_05.0110.C12.o3.np	Method	AAT/NAP
Start	9613	End	14888
GI	4206306	Score	1325
Exons	9613..9819, 10779..11234, 11431..13386, 13591..14888		

GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12273	Strand	+
Start	8290	End	16233
Name	OJ991213_05.0110.C12.o4.np	Method	AAT/NAP
Start	13225	End	14457
GI	4417307	Score	390
Exons	13225..13484, 13642..14457		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12274	Strand	-
Start	6861	End	12053
Name	OJ991213_05.0110.C12.o2.np	Method	AAT/NAP
Start	6861	End	12053
GI	5852180	Score	642
Exons	6861..7273, 7325..7442, 8423..8476, 11983..12053		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12275	Strand	-
Start	17927	End	18087
Name	OJ991213_05.0110.C12.o4.gs	Method	GENSCAN
Start	17927	End	18087
GI	none	Score	.4
Exons	17927..18087		
Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o7.tw	Method	TBLASTX:Wheat
Start	1832	End	2194
GI	none	Score	286
Exons	1832..2194, 1847..1996, 1864..2193		
Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o7.tm	Method	TBLASTX:Maize
Start	2075	End	2380
GI	none	Score	221
Exons	2075..2380, 2089..2253		
Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o9.tm	Method	TBLASTX:Maize
Start	2738	End	3061
GI	none	Score	186
Exons	2738..3061		
Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o8.tw	Method	TBLASTX:Wheat

Start	2924	End	3328
GI	none	Score	121
Exons	2924..3184, 3191..3328, 3200..3277, 3262..3321		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o4.tw	Method	TBLASTX:Wheat
Start	3458	End	12145
GI	none	Score	134
Exons	3458..3637, 3458..3628, 3650..3772, 11736..12143, 11753..12070, 11813..12145, 11862..12092, 12046..12144		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o6.tm	Method	TBLASTX:Maize
Start	3458	End	12011
GI	none	Score	137
Exons	3458..3637, 11796..12011, 11801..12010		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o7.ts	Method	TBLASTX:Soybean
Start	3458	End	11942
GI	none	Score	111
Exons	3458..3592, 11574..11792, 11808..11942		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o2.tm	Method	TBLASTX:Maize
Start	3656	End	12470
GI	none	Score	242
Exons	3656..4084, 3658..3927, 12012..12470, 12014..12070, 12131..12469		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o1.ts	Method	TBLASTX:Soybean
Start	3704	End	12407
GI	none	Score	57
Exons	3704..3736, 3706..3735, 3740..4099, 3742..3780, 3808..4098, 12114..12407		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o5.tw	Method	TBLASTX:Wheat
Start	3812	End	12565
GI	none	Score	381
Exons	3812..4114, 3814..4098, 12171..12407, 12440..12565		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851

Name	OJ991213_05.0110.C12.o3.tw	Method	TBLASTX:Wheat
Start	4115	End	12855
GI	none	Score	606
Exons	4115..4540, 4147..4536, 4163..4540, 12727..12855		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o8.ts	Method	TBLASTX:Soybean
Start	4121	End	12610
GI	none	Score	201
Exons	4121..4366, 4138..4365, 12482..12610		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o3.tm	Method	TBLASTX:Maize
Start	4186	End	12852
GI	none	Score	481
Exons	4186..4536, 4187..4540, 4187..4549, 12619..12852		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o2.tw	Method	TBLASTX:Wheat
Start	4543	End	5107
GI	none	Score	650
Exons	4543..5106, 4544..5107		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o1.tc	Method	TBLASTX:Cress
Start	4814	End	5131
GI	none	Score	89
Exons	4814..4987, 4988..5131, 4990..5130		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o3.ts	Method	TBLASTX:Soybean
Start	4895	End	5156
GI	none	Score	296
Exons	4895..5155, 4900..5154, 4974..5156		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o5.tm	Method	TBLASTX:Maize
Start	4953	End	5245
GI	none	Score	118
Exons	4953..5141, 4954..5241, 4955..5245		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o1.tw	Method	TBLASTX:Wheat

Start	5114	End	14508
GI	none	Score	697
Exons	5114..5740, 5170..5628, 5486..5737, 14143..14508		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o1.tm	Method	TBLASTX:Maize
Start	5294	End	5893
GI	none	Score	231
Exons	5294..5455, 5299..5457, 5302..5448, 5452..5520, 5452..5877, 5453..5893		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o6.tw	Method	TBLASTX:Wheat
Start	5743	End	6073
GI	none	Score	313
Exons	5743..6009, 5744..6073		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o9.ts	Method	TBLASTX:Soybean
Start	10730	End	11092
GI	none	Score	195
Exons	10730..11092		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o2.ts	Method	TBLASTX:Soybean
Start	12777	End	13194
GI	none	Score	77
Exons	12777..12905, 12777..12911, 12778..12915, 12778..12915, 12933..13037, 12952..13194, 13077..13190		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o9.tw	Method	TBLASTX:Wheat
Start	12967	End	13329
GI	none	Score	196
Exons	12967..13329		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o8.tm	Method	TBLASTX:Maize
Start	13708	End	14061
GI	none	Score	188
Exons	13708..14061		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851

Name	OJ991213_05.0110.C12.o5.ts	Method	TBLASTX:Soybean
Start	13915	End	14310
GI	none	Score	228
Exons	13915..14310, 14016..14210		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o4.ts	Method	TBLASTX:Soybean
Start	14649	End	14894
GI	none	Score	248
Exons	14649..14894, 14693..14779, 14855..14890		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o6.ts	Method	TBLASTX:Soybean
Start	18393	End	18846
GI	none	Score	74
Exons	18393..18653, 18672..18761, 18754..18846		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o4.tm	Method	TBLASTX:Maize
Start	18405	End	18840
GI	none	Score	94
Exons	18405..18764, 18453..18713, 18565..18759, 18754..18840		

Seq. No.	5813	Seq. ID	OJ991213_05.0110.C12
Gene No.	12276	Strand	-
Start	18405	End	18851
Name	OJ991213_05.0110.C12.o5.np	Method	AAT/NAP
Start	18405	End	18851
GI	6630685	Score	422
Exons	18405..18851		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	5814	Seq. ID	OJ991213_05.0110.C14
Gene No.	12277	Strand	-
Start	1	End	342
Name	OJ991213_05.0110.C14.o1.np	Method	AAT/NAP
Start	1	End	342
GI	6572067	Score	104
Exons	1..169, 247..342		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	5814	Seq. ID	OJ991213_05.0110.C14
Gene No.	12277	Strand	-
Start	1	End	342
Name	OJ991213_05.0110.C14.o1.tm	Method	TBLASTX:Maize
Start	31	End	342
GI	none	Score	177
Exons	31..159, 48..158, 319..342, 319..342		

Seq. No.	5814	Seq. ID	OJ991213_05.0110.C14

Gene No.	12277	Strand	-
Start	1	End	342
Name	OJ991213_05.0110.C14.o1.gs	Method	GENSCAN
Start	51	End	184
GI	none	Score	.86
Exons	51..184		

Seq. No.	5815	Seq. ID	OJ991013_09.0112.C1
Gene No.	12278	Strand	-
Start	160	End	264
Name	OJ991013_09.0112.C1.o1.gs	Method	GENSCAN
Start	160	End	264
GI	none	Score	.91
Exons	160..264		

Seq. No.	5816	Seq. ID	OJ991013_09.0112.C2
Gene No.	12279	Strand	+
Start	718	End	4991
Name	OJ991013_09.0112.C2.o1.gs	Method	GENSCAN
Start	718	End	4991
GI	none	Score	.66
Exons	718..725, 1579..1683, 1948..2002, 3697..3865, 3904..4116, 4336..4373, 4419..4991		

Seq. No.	5816	Seq. ID	OJ991013_09.0112.C2
Gene No.	12280	Strand	-
Start	3020	End	4650
Name	OJ991013_09.0112.C2.o1.gp	Method	AAT/GAP
Start	3020	End	4650
GI	16982_1.R1084	Score	1496
Exons	3020..3051, 3750..3971, 4101..4650		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-24 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12281	Strand	+
Start	646	End	2536
Name	OJ991013_09.0112.C3.o1.gs	Method	GENSCAN
Start	646	End	2536
GI	none	Score	.86
Exons	646..870, 1850..2536		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12281	Strand	+
Start	646	End	2536
Name	OJ991013_09.0112.C3.o1.gp	Method	AAT/GAP
Start	2010	End	2509
GI	none	Score	823
Exons	2010..2509		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12282	Strand	-
Start	2496	End	2642
Name	OJ991013_09.0112.C3.o2.gp	Method	AAT/GAP
Start	2496	End	2642
GI	21474_1.R1084	Score	183
Exons	2496..2642		

GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12283	Strand	-
Start	3010	End	8005
Name	OJ991013_09.0112.C3.o2.gs	Method	GENSCAN
Start	3010	End	8005
GI	none	Score	.78
Exons	3010..3195, 3275..3373, 3468..3540, 3625..3735, 3832..4005, 4115..4800, 4802..4947, 5073..5214, 5289..5408, 5454..6546, 7437..8005		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12283	Strand	-
Start	3010	End	8005
Name	OJ991013_09.0112.C3.o1.np	Method	AAT/NAP
Start	3028	End	6725
GI	4680204	Score	1067
Exons	3028..3165, 3516..3735, 3832..4005, 4115..5214, 5289..6725		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12283	Strand	-
Start	3010	End	8005
Name	OJ991013_09.0112.C3.o2.np	Method	AAT/NAP
Start	4047	End	6725
GI	4680204	Score	1004
Exons	4047..5214, 5289..6725		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o6.tw	Method	TBLASTX:Wheat
Start	3666	End	4188
GI	none	Score	68
Exons	3666..3737, 3837..4019, 3844..3969, 4108..4188		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o5.tw	Method	TBLASTX:Wheat
Start	5679	End	6082
GI	none	Score	42
Exons	5679..5774, 5679..5849, 5812..5979, 5844..6080, 5931..6080, 5942..6082, 5972..6082		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o4.gp	Method	AAT/GAP
Start	8522	End	12613
GI	342_1.R1084	Score	6626
Exons	8522..8868, 8978..9075, 9158..9177, 9213..12613		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o5.gp	Method	AAT/GAP
Start	8524	End	12613
GI	342_1.R1084	Score	6622
Exons	8524..8868, 8978..9075, 9158..9177, 9213..12613		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o3.gp	Method	AAT/GAP
Start	8531	End	12613
GI	342_1.R1084	Score	6608
Exons	8531..8868, 8978..9075, 9158..9177, 9213..12613		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o3.gs	Method	GENSCAN
Start	9285	End	11738
GI	none	Score	.92
Exons	9285..11738		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o3.np	Method	AAT/NAP
Start	9306	End	12616
GI	4680203	Score	3292
Exons	9306..10283, 10560..10790, 10944..12616		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o1.tw	Method	TBLASTX:Wheat
Start	9360	End	10677
GI	none	Score	133
Exons	9360..9452, 9441..9521, 9534..9674, 9535..9675, 9622..9717, 9654..9713, 9720..9764, 9725..9760, 9759..10676, 9774..10136, 9775..10677, 9952..10677		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o1.tc	Method	TBLASTX:Cress
Start	9942	End	10389
GI	none	Score	186
Exons	9942..10379, 9942..10385, 9946..10389		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3

Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o2.tm	Method	TBLASTX:Maize
Start	10320	End	10634
GI	none	Score	61
Exons	10320..10550, 10320..10634, 10348..10623		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o3.tw	Method	TBLASTX:Wheat
Start	10678	End	11088
GI	none	Score	81
Exons	10678..10764, 10680..10763, 10797..11039, 10837..11019, 11025..11087, 11038..11088		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o2.ts	Method	TBLASTX:Soybean
Start	11121	End	11363
GI	none	Score	213
Exons	11121..11363		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o1.tm	Method	TBLASTX:Maize
Start	11193	End	11651
GI	none	Score	97
Exons	11193..11387, 11397..11651, 11397..11639		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o2.tw	Method	TBLASTX:Wheat
Start	11227	End	11696
GI	none	Score	170
Exons	11227..11433, 11227..11436, 11232..11456, 11436..11528, 11437..11529, 11538..11642, 11542..11631, 11643..11696, 11644..11688		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o2.tc	Method	TBLASTX:Cress
Start	11484	End	11832
GI	none	Score	83
Exons	11484..11825, 11503..11640, 11680..11832		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o1.ts	Method	TBLASTX:Soybean
Start	11568	End	11994
GI	none	Score	123
Exons	11568..11861, 11583..11807, 11856..11918, 11911..11994,		

11919..11993

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o4.gs	Method	GENSCAN
Start	11874	End	12617
GI	none	Score	.78
Exons	11874..12617		

Seq. No.	5817	Seq. ID	OJ991013_09.0112.C3
Gene No.	12284	Strand	-
Start	8522	End	12617
Name	OJ991013_09.0112.C3.o4.tw	Method	TBLASTX:Wheat
Start	11910	End	12266
GI	none	Score	158
Exons	11910..12167, 11915..12166, 11925..12176, 11926..12168, 12159..12266		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12285	Strand	+
Start	1	End	497
Name	OJ991013_09.0112.C4.o1.np	Method	AAT/NAP
Start	1	End	497
GI	4680183	Score	119
Exons	1..47, 381..497		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12286	Strand	+
Start	6276	End	9440
Name	OJ991013_09.0112.C4.o2.np	Method	AAT/NAP
Start	6276	End	9440
GI	3645899	Score	3524
Exons	6276..9440		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o4.ts	Method	TBLASTX:Soybean
Start	4278	End	6446
GI	none	Score	83
Exons	4278..4400, 4464..4796, 6194..6256, 6306..6371, 6396..6446		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o7.tw	Method	TBLASTX:Wheat
Start	4311	End	4700
GI	none	Score	89
Exons	4311..4445, 4317..4400, 4458..4700, 4472..4576		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o6.tm	Method	TBLASTX:Maize

Start	6164	End	6524
GI	none	Score	105
Exons	6164..6256, 6166..6258, 6285..6524, 6293..6361, 6425..6517		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o3.tw	Method	TBLASTX:Wheat
Start	6300	End	6617
GI	none	Score	231
Exons	6300..6617, 6314..6535		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o4.tm	Method	TBLASTX:Maize
Start	6527	End	6919
GI	none	Score	88
Exons	6527..6658, 6528..6656, 6646..6852, 6647..6868, 6647..6919, 6651..6917, 6694..6918		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o1.tw	Method	TBLASTX:Wheat
Start	6689	End	7262
GI	none	Score	267
Exons	6689..6919, 6690..6935, 6699..6944, 6975..7253, 6975..7262		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o2.tm	Method	TBLASTX:Maize
Start	6924	End	7784
GI	none	Score	109
Exons	6924..6995, 6950..6997, 6995..7573, 6996..7613, 7497..7625, 7622..7723, 7626..7784, 7674..7712		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o3.ts	Method	TBLASTX:Soybean
Start	7104	End	7565
GI	none	Score	339
Exons	7104..7565, 7133..7315, 7361..7513		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o3.tc	Method	TBLASTX:Cress
Start	7146	End	7562
GI	none	Score	190
Exons	7146..7562		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675

Name	OJ991013_09.0112.C4.o5.tw	Method	TBLASTX:Wheat
Start	7347	End	7577
GI	none	Score	100
Exons	7347..7424, 7431..7577		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o5.tm	Method	TBLASTX:Maize
Start	7785	End	8072
GI	none	Score	280
Exons	7785..8033, 7805..8068, 8022..8072, 8024..8071		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o1.ts	Method	TBLASTX:Soybean
Start	7800	End	8413
GI	5509260	Score	695
Exons	7800..8408, 7893..8408, 7895..8413, 8150..8413		
GI Descrip.	-		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o2.tw	Method	TBLASTX:Wheat
Start	7929	End	8405
GI	none	Score	84
Exons	7929..8018, 8025..8051, 8042..8383, 8052..8399, 8055..8186, 8059..8262, 8060..8398, 8229..8405		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o2.tc	Method	TBLASTX:Cress
Start	8021	End	8294
GI	none	Score	192
Exons	8021..8167, 8022..8294		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o3.tm	Method	TBLASTX:Maize
Start	8073	End	8541
GI	none	Score	571
Exons	8073..8540, 8073..8192, 8075..8539, 8416..8541		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o7.tm	Method	TBLASTX:Maize
Start	8582	End	8774
GI	none	Score	256
Exons	8582..8773, 8583..8774		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+

Start	15340	End	19675
Name	OJ991013_09.0112.C4.o4.tw	Method	TBLASTX:Wheat
Start	8589	End	9020
GI	none	Score	102
Exons	8589..8750, 8763..9020		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o1.tm	Method	TBLASTX:Maize
Start	8775	End	9451
GI	none	Score	917
Exons	8775..9437, 8777..9451, 9338..9442		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o2.ts	Method	TBLASTX:Soybean
Start	8784	End	9449
GI	none	Score	301
Exons	8784..9167, 8789..9160, 8796..9167, 9201..9449, 9209..9376		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o1.tc	Method	TBLASTX:Cress
Start	8964	End	9422
GI	none	Score	67
Exons	8964..9053, 9057..9191, 9177..9422, 9203..9370		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o6.tw	Method	TBLASTX:Wheat
Start	9057	End	9389
GI	none	Score	105
Exons	9057..9182, 9077..9178, 9201..9389, 9257..9376		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o3.gs	Method	GENSCAN
Start	15340	End	19675
GI	none	Score	.62
Exons	15340..15345, 16445..16548, 16608..16703, 16800..16941, 17027..17206, 17226..17310, 17842..17955, 19638..19675		

Seq. No.	5818	Seq. ID	OJ991013_09.0112.C4
Gene No.	12287	Strand	+
Start	15340	End	19675
Name	OJ991013_09.0112.C4.o8.tm	Method	TBLASTX:Maize
Start	17756	End	17993
GI	none	Score	78
Exons	17756..17824, 17758..17823, 17823..17975, 17826..17993, 17827..17976, 17828..17977		

Seq. No.	5819	Seq. ID	OJ991013_09.0112.C5

Gene No.	12288	Strand	-
Start	1	End	531
Name	OJ991013_09.0112.C5.o1.np	Method	AAT/NAP
Start	1	End	531
GI	3738337	Score	254
Exons	1..531		
GI Descrip.	(AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	5819	Seq. ID	OJ991013_09.0112.C5
Gene No.	12288	Strand	-
Start	1	End	531
Name	OJ991013_09.0112.C5.o1.tm	Method	TBLASTX:Maize
Start	17	End	413
GI	none	Score	98
Exons	17..265, 21..266, 272..367, 369..413		

Seq. No.	5819	Seq. ID	OJ991013_09.0112.C5
Gene No.	12288	Strand	-
Start	1	End	531
Name	OJ991013_09.0112.C5.o1.gs	Method	GENSCAN
Start	47	End	479
GI	none	Score	.85
Exons	47..228, 377..479		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12289	Strand	+
Start	8494	End	9093
Name	OJ991013_09.0112.C6.o3.gs	Method	GENSCAN
Start	8494	End	8838
GI	none	Score	.83
Exons	8494..8838		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12289	Strand	+
Start	8494	End	9093
Name	OJ991013_09.0112.C6.o3.np	Method	AAT/NAP
Start	8551	End	8826
GI	126386	Score	179
Exons	8551..8826		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi|82449|pir||A34291 pollen allergen Lol p IIA - perennial ryegrass		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12289	Strand	+
Start	8494	End	9093
Name	OJ991013_09.0112.C6.o1.gp	Method	AAT/GAP
Start	8579	End	9093
GI	28773_4.R1084	Score	971
Exons	8579..9093		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12290	Strand	-
Start	3896	End	7661
Name	OJ991013_09.0112.C6.o2.gs	Method	GENSCAN

Start	3896	End	7661
GI	none	Score	.66
Exons	3896..4127, 4190..4299, 4393..4565, 4600..4768, 4861..5032, 6296..6330, 7268..7338, 7649..7661		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12290	Strand	-
Start	3896	End	7661
Name	OJ991013_09.0112.C6.o1.np	Method	AAT/NAP
Start	3910	End	4974
GI	6907089	Score	855
Exons	3910..4974		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12290	Strand	-
Start	3896	End	7661
Name	OJ991013_09.0112.C6.o2.np	Method	AAT/NAP
Start	5915	End	6460
GI	6539585	Score	185
Exons	5915..5988, 6287..6460		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5820	Seq. ID	OJ991013_09.0112.C6
Gene No.	12291	Strand	
Start	8483	End	8864
Name	OJ991013_09.0112.C6.o1.tm	Method	TBLASTX:Maize
Start	8483	End	8864
GI	none	Score	42
Exons	8483..8545, 8485..8523, 8491..8664, 8517..8585, 8517..8672, 8539..8664, 8671..8841, 8671..8841, 8672..8842, 8673..8864		

Seq. No.	5821	Seq. ID	OJ991013_09.0112.C7
Gene No.	12292	Strand	+
Start	1	End	723
Name	OJ991013_09.0112.C7.o1.np	Method	AAT/NAP
Start	1	End	723
GI	6721512	Score	239
Exons	1..152, 180..314, 357..429, 645..723		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5821	Seq. ID	OJ991013_09.0112.C7
Gene No.	12292	Strand	+
Start	1	End	723
Name	OJ991013_09.0112.C7.o1.gs	Method	GENSCAN
Start	85	End	633
GI	none	Score	.45
Exons	85..152, 525..633		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12293	Strand	+
Start	922	End	1275
Name	OJ991013_09.0112.C9.o1.gs	Method	GENSCAN
Start	922	End	1275
GI	none	Score	.65
Exons	922..1275		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12293	Strand	+
Start	922	End	1275
Name	OJ991013_09.0112.C9.o2.np	Method	AAT/NAP
Start	988	End	1263
GI	126386	Score	177
Exons	988..1263		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi|82449|pir||A34291 pollen allergen Lol p IIA - perennial ryegrass		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12294	Strand	+
Start	3037	End	11131
Name	OJ991013_09.0112.C9.o4.np	Method	AAT/NAP
Start	2512	End	11131
GI	119714	Score	101
Exons	2512..2671, 8974..9140, 9219..9480, 10721..11131		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12294	Strand	+
Start	3037	End	11131
Name	OJ991013_09.0112.C9.o2.gs	Method	GENSCAN
Start	3037	End	4181
GI	none	Score	.77
Exons	3037..3091, 3320..3439, 3773..4048, 4117..4181		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12294	Strand	+
Start	3037	End	11131
Name	OJ991013_09.0112.C9.o3.np	Method	AAT/NAP
Start	3746	End	4056
GI	6539588	Score	214
Exons	3746..4056		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12294	Strand	+
Start	3037	End	11131
Name	OJ991013_09.0112.C9.o1.gp	Method	AAT/GAP
Start	4146	End	4210
GI	426511	Score	77
Exons	4146..4210		
GI Descrip.	5042437/gb|AC007789.1|AC007789 8.0e-24 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12294	Strand	+
Start	3037	End	11131
Name	OJ991013_09.0112.C9.o4.gs	Method	GENSCAN
Start	9061	End	9422
GI	none	Score	.88
Exons	9061..9213, 9264..9422		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12295	Strand	-
Start	1	End	5977
Name	OJ991013_09.0112.C9.o1.np	Method	AAT/NAP
Start	1	End	5977
GI	6815097	Score	152
Exons	1..22, 116..182, 324..564, 5946..5977		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12296	Strand	-
Start	6350	End	8722
Name	OJ991013_09.0112.C9.o2:tm	Method	TBLASTX:Maize
Start	927	End	1278
GI	none	Score	41
Exons	927..1022, 927..1121, 997..1101, 1101..1262, 1108..1278		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12296	Strand	-
Start	6350	End	8722
Name	OJ991013_09.0112.C9.o3.gs	Method	GENSCAN
Start	6350	End	8722
GI	none	Score	.74
Exons	6350..7614, 7668..7856, 7902..7953, 8573..8722		

Seq. No.	5822	Seq. ID	OJ991013_09.0112.C9
Gene No.	12296	Strand	-
Start	6350	End	8722
Name	OJ991013_09.0112.C9.o1.tm	Method	TBLASTX:Maize
Start	6410	End	6688
GI	none	Score	204
Exons	6410..6661, 6426..6626, 6428..6688		

Seq. No.	5823	Seq. ID	OJ991013_09.0112.C11
Gene No.	12297	Strand	-
Start	180	End	401
Name	OJ991013_09.0112.C11.o1.gs	Method	GENSCAN
Start	180	End	401
GI	none	Score	.93
Exons	180..401		

Seq. No.	5824	Seq. ID	OJ991013_05.0111.C1
Gene No.	12298	Strand	-
Start	1177	End	1568
Name	OJ991013_05.0111.C1.o1.gp	Method	AAT/GAP
Start	1177	End	1568
GI	none	Score	748
Exons	1177..1568		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o1.gs	Method	GENSCAN
Start	838	End	2570
GI	none	Score	.45
Exons	838..2074, 2188..2570		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o1.np	Method	AAT/NAP
Start	841	End	2599
GI	6539553	Score	2972
Exons	841..2599		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o1.tw	Method	TBLASTX:Wheat
Start	977	End	1453
GI	none	Score	353
Exons	977..1363, 1015..1362, 1378..1452, 1382..1453		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o3.ts	Method	TBLASTX:Soybean
Start	1105	End	1446
GI	none	Score	83
Exons	1105..1314, 1184..1309, 1333..1446, 1340..1420		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o1.tm	Method	TBLASTX:Maize
Start	1309	End	1648
GI	none	Score	203
Exons	1309..1647, 1310..1648		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o1.ts	Method	TBLASTX:Soybean
Start	1459	End	1804
GI	none	Score	118
Exons	1459..1803, 1604..1804		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o3.tw	Method	TBLASTX:Wheat
Start	1657	End	2201
GI	none	Score	48
Exons	1657..1863, 1667..1789, 1858..2055, 1882..2055, 2022..2201		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o2.tm	Method	TBLASTX:Maize

Start	1669	End	2055
GI	none	Score	256
Exons	1669..2055		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o2.ts	Method	TBLASTX:Soybean
Start	1822	End	2165
GI	none	Score	109
Exons	1822..2061, 1828..2061, 2076..2165		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o1.tc	Method	TBLASTX:Cress
Start	1984	End	2243
GI	none	Score	61
Exons	1984..2055, 2022..2243, 2164..2241		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o3.tm	Method	TBLASTX:Maize
Start	2073	End	2331
GI	none	Score	68
Exons	2073..2330, 2167..2331		

Seq. No.	5825	Seq. ID	OJ991013_05.0111.C2
Gene No.	12299	Strand	-
Start	838	End	2599
Name	OJ991013_05.0111.C2.o2.tw	Method	TBLASTX:Wheat
Start	2256	End	2597
GI	none	Score	199
Exons	2256..2495, 2257..2415, 2273..2503, 2276..2473, 2547..2597		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12300	Strand	+
Start	7788	End	8321
Name	OJ991013_05.0111.C3.o1.gp	Method	AAT/GAP
Start	7788	End	8321
GI	none	Score	1026
Exons	7788..8321		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o1.np	Method	AAT/NAP
Start	1	End	1979
GI	6539553	Score	3445
Exons	1..1979		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3

Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o1.ts	Method	TBLASTX:Soybean
Start	3	End	293
GI	none	Score	38
Exons	3..68, 22..60, 69..293, 114..284, 115..285		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o1.tw	Method	TBLASTX:Wheat
Start	42	End	438
GI	none	Score	112
Exons	42..227, 42..215, 80..226, 189..437, 204..437, 367..438		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o3.tm	Method	TBLASTX:Maize
Start	81	End	515
GI	none	Score	74
Exons	81..515, 106..306		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o1.gs	Method	GENSCAN
Start	127	End	11470
GI	none	Score	.53
Exons	127..1995, 2173..2220, 2225..2408, 3697..3847, 4845..4904, 5447..5632, 6957..7011, 8202..8390, 8484..8656, 9600..9656, 11081..11470		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o2.ts	Method	TBLASTX:Soybean
Start	303	End	689
GI	none	Score	88
Exons	303..551, 534..689		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o1.tm	Method	TBLASTX:Maize
Start	716	End	1031
GI	none	Score	392
Exons	716..907, 717..1031, 718..1011		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o2.tm	Method	TBLASTX:Maize
Start	1537	End	1850
GI	none	Score	292
Exons	1537..1842, 1539..1850		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o2.tw	Method	TBLASTX:Wheat
Start	1599	End	1985
GI	none	Score	248
Exons	1599..1985, 1600..1974		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o2.np	Method	AAT/NAP
Start	8197	End	9638
GI	2245125	Score	100
Exons	8197..8390, 8484..8548, 9600..9638		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o2.gp	Method	AAT/GAP
Start	8237	End	8745
GI	75411_1.R1084	Score	734
Exons	8237..8390, 8484..8745		
GI Descrip.	'2245125/emb|CAB10547.1| 6.0e-10 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o3.gp	Method	AAT/GAP
Start	8238	End	8745
GI	75411_1.R1084	Score	732
Exons	8238..8390, 8484..8745		
GI Descrip.	'2245125/emb|CAB10547.1| 6.0e-10 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5826	Seq. ID	OJ991013_05.0111.C3
Gene No.	12301	Strand	-
Start	1	End	11470
Name	OJ991013_05.0111.C3.o4.tm	Method	TBLASTX:Maize
Start	8283	End	8618
GI	none	Score	100
Exons	8283..8393, 8336..8401, 8483..8581, 8484..8597, 8583..8618		

Seq. No.	5827	Seq. ID	OJ991013_05.0111.C4
Gene No.	12302	Strand	-
Start	353	End	1315
Name	OJ991013_05.0111.C4.o1.gs	Method	GENSCAN
Start	353	End	1219
GI	none	Score	.82
Exons	353..598, 627..758, 878..1219		

Seq. No.	5827	Seq. ID	OJ991013_05.0111.C4
Gene No.	12302	Strand	-
Start	353	End	1315
Name	OJ991013_05.0111.C4.o1.np	Method	AAT/NAP

Start	591	End	1315
GI	2245125	Score	154
Exons	591..779, 878..983, 1177..1315		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5827	Seq. ID	OJ991013_05.0111.C4
Gene No.	12302	Strand	-
Start	353	End	1315
Name	OJ991013_05.0111.C4.o1.tm	Method	TBLASTX:Maize
Start	623	End	1180
GI	none	Score	37
Exons	623..781, 624..647, 751..783, 877..1020, 878..934, 1000..1077, 1016..1072, 1081..1179, 1082..1180		

Seq. No.	5828	Seq. ID	OJ991013_05.0111.C5
Gene No.	12303	Strand	-
Start	338	End	819
Name	OJ991013_05.0111.C5.o1.gs	Method	GENSCAN
Start	338	End	819
GI	none	Score	.57
Exons	338..396, 746..819		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12304	Strand	+
Start	561	End	1771
Name	OJ991013_05.0111.C7.o1.gs	Method	GENSCAN
Start	561	End	1771
GI	none	Score	.92
Exons	561..642, 807..1007, 1691..1771		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12305	Strand	+
Start	12221	End	13115
Name	OJ991013_05.0111.C7.o4.gs	Method	GENSCAN
Start	12221	End	13115
GI	none	Score	.52
Exons	12221..12288, 12367..12487, 12529..12751, 13027..13115		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12306	Strand	+
Start	13784	End	14325
Name	OJ991013_05.0111.C7.o3.gp	Method	AAT/GAP
Start	13784	End	14325
GI	none	Score	964
Exons	13784..14325		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12307	Strand	-
Start	777	End	10223
Name	OJ991013_05.0111.C7.o1.np	Method	AAT/NAP
Start	777	End	10223
GI	6523547	Score	185
Exons	777..1054, 4600..4986, 8204..8347, 9127..9368, 9898..10010, 10135..10223		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12307	Strand	-
Start	777	End	10223
Name	OJ991013_05.0111.C7.o1.gp	Method	AAT/GAP
Start	4096	End	4654
GI	11797_1.R1084	Score	1054
Exons	4096..4654		
GI Descrip.	'2245125/emb|CAB10547.1| 2.0e-10 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12307	Strand	-
Start	777	End	10223
Name	OJ991013_05.0111.C7.o2.gp	Method	AAT/GAP
Start	7418	End	8196
GI	11797_2.R1084	Score	1523
Exons	7418..8196		
GI Descrip.	'2245125/emb|CAB10547.1| 6.0e-10 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12308	Strand	-
Start	10552	End	11285
Name	OJ991013_05.0111.C7.o1.tw	Method	TBLASTX:Wheat
Start	4311	End	8125
GI	none	Score	275
Exons	4311..4574, 4321..4581, 4445..4588, 7937..8125, 7947..8123		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12308	Strand	-
Start	10552	End	11285
Name	OJ991013_05.0111.C7.o1.tm	Method	TBLASTX:Maize
Start	4314	End	8123
GI	none	Score	246
Exons	4314..4571, 4345..4572, 7937..8122, 7947..8123		

Seq. No.	5829	Seq. ID	OJ991013_05.0111.C7
Gene No.	12308	Strand	-
Start	10552	End	11285
Name	OJ991013_05.0111.C7.o3.gs	Method	GENSCAN
Start	10552	End	11285
GI	none	Score	.86
Exons	10552..10698, 10932..11285		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12309	Strand	+
Start	73	End	139
Name	OJ991013_05.0111.C8.o1.gs	Method	GENSCAN
Start	73	End	139
GI	none	Score	.72
Exons	73..139		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12310	Strand	+
Start	3299	End	7069
Name	OJ991013_05.0111.C8.o2.gs	Method	GENSCAN
Start	3299	End	4840

GI	none	Score	1
Exons	3299..4840		
Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12310	Strand	+
Start	3299	End	7069
Name	OJ991013_05.0111.C8.o1.np	Method	AAT/NAP
Start	3302	End	7069
GI	6572076	Score	878
Exons	3302..4761, 7005..7069		
GI Descrip.	(AL133452) receptor-protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12311	Strand	+
Start	8011	End	9090
Name	OJ991013_05.0111.C8.o3.gs	Method	GENSCAN
Start	8011	End	9090
GI	none	Score	1
Exons	8011..9090		
Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12312	Strand	-
Start	9465	End	11335
Name	OJ991013_05.0111.C8.o4.gs	Method	GENSCAN
Start	9465	End	11335
GI	none	Score	.54
Exons	9465..9653, 9730..9994, 10159..10278, 10932..11335		
Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o1.ts	Method	TBLASTX:Soybean
Start	3550	End	4407
GI	none	Score	105
Exons	3550..3645, 3551..3649, 3713..3817, 3718..3816, 3878..3916, 3992..4096, 4133..4405, 4180..4407		
Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o2.tc	Method	TBLASTX:Cress
Start	3550	End	3904
GI	none	Score	133
Exons	3550..3645, 3551..3649, 3718..3846, 3719..3856, 3869..3904		
Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o2.tm	Method	TBLASTX:Maize
Start	3595	End	4075
GI	none	Score	83
Exons	3595..3645, 3596..3649, 3716..3823, 3733..3810, 3863..4075, 3880..4074		
Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-

Start	13129	End	15004
Name	OJ991013_05.0111.C8.o1.tc	Method	TBLASTX:Cress
Start	4156	End	4561
GI	none	Score	322
Exons	4156..4446, 4157..4447, 4457..4561		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o1.tm	Method	TBLASTX:Maize
Start	4229	End	4507
GI	none	Score	279
Exons	4229..4381, 4231..4380, 4385..4507, 4387..4497		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o3.np	Method	AAT/NAP
Start	12355	End	12987
GI	6721559	Score	223
Exons	12355..12500, 12530..12987		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o5.gs	Method	GENSCAN
Start	13129	End	14342
GI	none	Score	.91
Exons	13129..13588, 14284..14342		

Seq. No.	5830	Seq. ID	OJ991013_05.0111.C8
Gene No.	12313	Strand	-
Start	13129	End	15004
Name	OJ991013_05.0111.C8.o4.np	Method	AAT/NAP
Start	14240	End	15004
GI	4680183	Score	195
Exons	14240..14329, 14936..15004		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5831	Seq. ID	OJ991013_05.0111.C9
Gene No.	12314	Strand	+
Start	1	End	6272
Name	OJ991013_05.0111.C9.o3.np	Method	AAT/NAP
Start	1	End	6096
GI	119714	Score	131
Exons	1..116, 719..1101, 3878..4079, 4790..4875, 5747..6096		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	5831	Seq. ID	OJ991013_05.0111.C9
Gene No.	12314	Strand	+
Start	1	End	6272

Name	OJ991013_05.0111.C9.o1.np	Method	AAT/NAP
Start	221	End	985
GI	4680183	Score	162
Exons	221..291, 896..985		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5831	Seq. ID	OJ991013_05.0111.C9
Gene No.	12314	Strand	+
Start	1	End	6272
Name	OJ991013_05.0111.C9.o2.np	Method	AAT/NAP
Start	2258	End	2898
GI	6721559	Score	358
Exons	2258..2732, 2761..2898		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5831	Seq. ID	OJ991013_05.0111.C9
Gene No.	12314	Strand	+
Start	1	End	6272
Name	OJ991013_05.0111.C9.o3.gs	Method	GENSCAN
Start	5706	End	6272
GI	none	Score	1
Exons	5706..6272		

Seq. No.	5831	Seq. ID	OJ991013_05.0111.C9
Gene No.	12315	Strand	-
Start	4264	End	4620
Name	OJ991013_05.0111.C9.o2.gs	Method	GENSCAN
Start	4264	End	4620
GI	none	Score	.72
Exons	4264..4620		

Seq. No.	5831	Seq. ID	OJ991013_05.0111.C9
Gene No.	12316	Strand	-
Start	7212	End	7707
Name	OJ991013_05.0111.C9.o4.gs	Method	GENSCAN
Start	7212	End	7707
GI	none	Score	.4
Exons	7212..7348, 7659..7707		

Seq. No.	5832	Seq. ID	OJ991103_07.0121.C1
Gene No.	12317	Strand	-
Start	218	End	297
Name	OJ991103_07.0121.C1.o1.gs	Method	GENSCAN
Start	218	End	297
GI	none	Score	.9
Exons	218..297		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12318	Strand	+
Start	9811	End	11475
Name	OJ991103_07.0121.C3.o2.gs	Method	GENSCAN
Start	9811	End	11475
GI	none	Score	1
Exons	9811..11475		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12319	Strand	+
Start	16461	End	18683
Name	OJ991103_07.0121.C3.o4.gs	Method	GENSCAN
Start	16461	End	18683
GI	none	Score	.43
Exons	16461..16597, 16605..16660, 17245..17337, 17409..17558, 18580..18683		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12320	Strand	+
Start	24320	End	27255
Name	OJ991103_07.0121.C3.o4.np	Method	AAT/NAP
Start	24320	End	27255
GI	5852175	Score	141
Exons	24320..24539, 25192..25244, 25812..25912, 26611..26643, 27228..27255		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12321	Strand	-
Start	4273	End	16299
Name	OJ991103_07.0121.C3.o1.np	Method	AAT/NAP
Start	4273	End	14115
GI	1418331	Score	1738
Exons	4273..6140, 14081..14115		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12321	Strand	-
Start	4273	End	16299
Name	OJ991103_07.0121.C3.o3.gs	Method	GENSCAN
Start	11811	End	16299
GI	none	Score	.42
Exons	11811..12055, 13448..13549, 13776..14129, 14286..14641, 14862..14956, 15006..15131, 15334..16299		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12321	Strand	-
Start	4273	End	16299
Name	OJ991103_07.0121.C3.o1.gp	Method	AAT/GAP
Start	12290	End	12747
GI	4968598	Score	815
Exons	12290..12747		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12322	Strand	-
Start	20072	End	22027
Name	OJ991103_07.0121.C3.o2.np	Method	AAT/NAP
Start	20056	End	22027
GI	3236253	Score	1351
Exons	20056..22027		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12322	Strand	-

Start	20072	End	22027
Name	OJ991103_07.0121.C3.o5.gs	Method	GENSCAN
Start	20072	End	22015
GI	none	Score	.75
Exons	20072..22015		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o1.tc	Method	TBLASTX:Cress
Start	27	End	21553
GI	none	Score	224
Exons	27..356, 28..321, 126..353, 375..1148, 376..741, 829..1098, 1122..1370, 1153..1314, 1404..1571, 1414..1557, 4294..4506, 4328..4501, 4494..4859, 4534..4860, 4867..5046, 4878..5240, 4990..5244, 5273..5650, 5376..5645, 5642..6073, 5655..6056, 13122..13340, 13126..13341, 13335..13661, 13369..13662, 13717..14079, 13826..14062, 14188..14523, 14192..14494, 14491..14748, 14539..14730, 14755..14895, 14765..14899, 15241..15426, 15493..15768, 15494..15763, 15760..16191, 15773..16174, 20180..20416, 20193..20402, 20396..20758, 20433..20759, 20777..21154, 20781..21143, 21227..21361, 21231..21362, 21377..21553		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o4.ts	Method	TBLASTX:Soybean
Start	27	End	20527
GI	none	Score	99
Exons	27..125, 4312..4512, 4530..4628, 13141..13431, 13164..13466, 20210..20527, 20211..20492		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o1.tm	Method	TBLASTX:Maize
Start	27	End	21002
GI	none	Score	303
Exons	27..356, 28..372, 351..596, 352..597, 354..599, 4527..4859, 4537..4866, 4546..4872, 4595..4891, 4857..5102, 4858..5103, 13363..13662, 13368..13664, 13660..13695, 13702..13941, 13705..13938, 13730..13942, 13805..13942, 20432..20758, 20436..20759, 20436..20771, 20754..20999, 20756..20983, 20784..21002		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o2.ts	Method	TBLASTX:Soybean
Start	141	End	21053
GI	none	Score	61
Exons	141..362, 142..195, 168..347, 241..357, 375..650, 379..651, 4644..4865, 4645..4722, 4658..4762, 4659..4865, 4881..5147, 4881..5153, 4882..5154, 13482..13676, 13483..13659, 13663..13704, 13717..13992, 13721..13993, 20540..20764, 20541..20759, 20780..21052, 20781..21053		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o2.tw	Method	TBLASTX:Wheat
Start	198	End	21023
GI	none	Score	64
Exons	198..353, 225..359, 357..629, 376..618, 4701..4856, 4860..5132, 4894..5121, 13537..13677, 13539..13661, 13687..13875, 13696..13965, 13928..13963, 20600..20755, 20767..20877, 20777..21019, 20777..20965, 20793..21023		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o3.tw	Method	TBLASTX:Wheat
Start	654	End	21364
GI	none	Score	52
Exons	654..692, 661..690, 699..977, 721..954, 5154..5198, 5155..5214, 5202..5240, 5203..5286, 5291..5479, 5376..5486, 13996..14037, 13997..14053, 14041..14196, 14085..14123, 14188..14331, 14192..14335, 15271..15315, 15272..15331, 15319..15426, 15320..15427, 15484..15597, 15494..15604, 21053..21097, 21062..21103, 21101..21364, 21120..21362		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o5.tm	Method	TBLASTX:Maize
Start	819	End	21628
GI	none	Score	187
Exons	819..1127, 838..1095, 849..1139, 5342..5638, 5370..5636, 14188..14484, 14192..14485, 15484..15756, 15488..15754, 21221..21367, 21240..21377, 21244..21396, 21348..21509, 21371..21577, 21385..21624, 21386..21628		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o4.tw	Method	TBLASTX:Wheat
Start	981	End	21628
GI	none	Score	100
Exons	981..1226, 982..1098, 1002..1148, 1171..1209, 5486..5728, 5487..5729, 14335..14577, 14363..14578, 15604..15846, 15653..15847, 21374..21562, 21387..21563, 21428..21628		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o3.ts	Method	TBLASTX:Soybean
Start	1038	End	21940
GI	none	Score	140
Exons	1038..1151, 1143..1328, 1153..1329, 1392..1592, 1396..1587, 5477..5524, 5540..5653, 5636..5830, 5655..5825, 5695..5826, 5838..6089, 5840..6091, 14497..14679, 14498..14695, 14752..14895, 15754..15948, 15773..15943, 15956..16207, 15958..16209, 21806..21835, 21851..21940		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o3.tm	Method	TBLASTX:Maize
Start	1140	End	22007
GI	none	Score	104
Exons	1140..1370, 1192..1317, 1402..1434, 1440..1610, 1441..1674, 5642..5938, 5676..5933, 5939..6103, 5940..6104, 14485..14730, 14486..14620, 14542..14754, 14773..14895, 14813..14899, 15760..16056, 15773..16051, 16057..16221, 16058..16222, 21851..21964, 21879..22007		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o4.tm	Method	TBLASTX:Maize
Start	4252	End	20417
GI	none	Score	124
Exons	4252..4512, 4273..4503, 4328..4516, 13032..13079, 13033..13071, 13124..13234, 13125..13337, 13131..13361, 13132..13347, 20117..20416, 20118..20417		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o1.ts	Method	TBLASTX:Soybean
Start	9859	End	11415
GI	none	Score	105
Exons	9859..9951, 9873..9950, 10033..10104, 10035..10238, 10129..10245, 10366..10527, 10371..10514, 10585..10614, 10633..10665, 10750..11061, 10767..10868, 11118..11366, 11119..11373, 11365..11415		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o6.tm	Method	TBLASTX:Maize
Start	9859	End	10259
GI	none	Score	113
Exons	9859..9951, 9864..9950, 10027..10095, 10032..10109, 10033..10104, 10123..10245, 10137..10259		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o2.tc	Method	TBLASTX:Cress
Start	9864	End	11409
GI	none	Score	115
Exons	9864..9950, 9865..9951, 10032..10097, 10033..10134, 10116..10256, 10117..10245, 10366..10512, 10368..10508, 10513..10665, 10578..10607, 10738..10956, 10744..11409, 10770..11009, 11115..11240, 11274..11408		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863

Name	OJ991103_07.0121.C3.o7.tm	Method	TBLASTX:Maize
Start	10366	End	10611
GI	none	Score	206
Exons	10366..10611, 10377..10607		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o5.tw	Method	TBLASTX:Wheat
Start	10684	End	17330
GI	none	Score	227
Exons	10684..11046, 10741..10788, 10765..10956, 10774..10929, 17253..17330		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o2.tm	Method	TBLASTX:Maize
Start	10750	End	11415
GI	none	Score	297
Exons	10750..11058, 10767..11009, 11056..11415, 11115..11414		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o1.tw	Method	TBLASTX:Wheat
Start	11119	End	11406
GI	none	Score	363
Exons	11119..11406, 11119..11202, 11124..11402		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o6.gs	Method	GENSCAN
Start	23429	End	25863
GI	none	Score	.8
Exons	23429..23500, 24266..24449, 24555..24783, 25782..25863		

Seq. No.	5833	Seq. ID	OJ991103_07.0121.C3
Gene No.	12323	Strand	-
Start	23429	End	25863
Name	OJ991103_07.0121.C3.o3.np	Method	AAT/NAP
Start	24274	End	25802
GI	5852179	Score	409
Exons	24274..24508, 24583..24795, 25782..25802		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12324	Strand	+
Start	412	End	4315
Name	OJ991103_07.0121.C5.o1.np	Method	AAT/NAP
Start	412	End	4315
GI	6539553	Score	6743
Exons	412..4315		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597)		

[Oryza sativa]

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12325	Strand	+
Start	11801	End	12332
Name	OJ991103_07.0121.C5.o3.np	Method	AAT/NAP
Start	11795	End	12332
GI	5803244	Score	401
Exons	11795..11942, 12037..12332		
GI Descrip.	(AP000399) similar to hexose carrier protein HEX6 &RCCHCP_1 (Q07423) [Oryza sativa]		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12325	Strand	+
Start	11801	End	12332
Name	OJ991103_07.0121.C5.o3.gs	Method	GENSCAN
Start	11801	End	12281
GI	none	Score	.74
Exons	11801..11942, 12037..12281		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o4.tw	Method	TBLASTX:Wheat
Start	406	End	792
GI	none	Score	353
Exons	406..792, 417..791		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o4.tm	Method	TBLASTX:Maize
Start	541	End	854
GI	none	Score	365
Exons	541..852, 549..854		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o3.tm	Method	TBLASTX:Maize
Start	1351	End	1673
GI	none	Score	268
Exons	1351..1605, 1358..1672, 1378..1671, 1506..1673		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o9.ts	Method	TBLASTX:Soybean
Start	1700	End	2086
GI	none	Score	88
Exons	1700..1855, 1838..2086		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o7.tm	Method	TBLASTX:Maize
Start	1874	End	2308

GI	none	Score	303
Exons	1874..2308, 2083..2283		
Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o6.tw	Method	TBLASTX:Wheat
Start	1952	End	2143
GI	none	Score	275
Exons	1952..2143, 1952..2143		
Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o5.ts	Method	TBLASTX:Soybean
Start	2096	End	2494
GI	none	Score	197
Exons	2096..2320, 2104..2274, 2321..2494, 2329..2367		
Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o4.tc	Method	TBLASTX:Cress
Start	2129	End	2518
GI	none	Score	112
Exons	2129..2311, 2324..2518		
Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o1.tw	Method	TBLASTX:Wheat
Start	2144	End	2899
GI	none	Score	963
Exons	2144..2899, 2153..2899		
Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o2.ts	Method	TBLASTX:Soybean
Start	2819	End	3283
GI	5509260	Score	379
Exons	2819..3283, 2920..2988, 3037..3132, 3205..3264		
GI Descrip.	-		
Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o2.tc	Method	TBLASTX:Cress
Start	2912	End	3172
GI	none	Score	282
Exons	2912..3172, 2914..2991		
Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o5.tm	Method	TBLASTX:Maize
Start	2953	End	3418

GI	none	Score	357
Exons	2953..3132, 2954..3418, 3089..3271, 3205..3315		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o3.tw	Method	TBLASTX:Wheat
Start	2954	End	3499
GI	none	Score	315
Exons	2954..3298, 3101..3274, 3293..3499, 3367..3489		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o4.ts	Method	TBLASTX:Soybean
Start	3352	End	3697
GI	none	Score	314
Exons	3352..3552, 3353..3697		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o6.tm	Method	TBLASTX:Maize
Start	3508	End	3847
GI	none	Score	315
Exons	3508..3846, 3509..3847		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o2.tw	Method	TBLASTX:Wheat
Start	3703	End	4179
GI	none	Score	98
Exons	3703..3774, 3704..3778, 3792..4100, 3793..4179, 3794..4141		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o7.ts	Method	TBLASTX:Soybean
Start	3710	End	4051
GI	none	Score	88
Exons	3710..3823, 3736..3816, 3842..4051, 3847..3972		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o1.tc	Method	TBLASTX:Cress
Start	8426	End	10109
GI	none	Score	73
Exons	8426..8551, 8455..9279, 8609..8878, 8875..9108, 9032..9274, 9259..9390, 9288..9374, 9561..9680, 9678..10109, 9762..9977		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o2.gs	Method	GENSCAN
Start	8434	End	10343

GI	none	Score	.5
Exons	8434..9216, 9369..9439, 9554..10343		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o9.tm	Method	TBLASTX:Maize
Start	8443	End	8661
GI	none	Score	179
Exons	8443..8661, 8444..8659, 8545..8661		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o2.np	Method	AAT/NAP
Start	8449	End	10340
GI	3193302	Score	1457
Exons	8449..10340		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 166.20) and to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 139.32) [Arabidopsis thaliana]		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o8.ts	Method	TBLASTX:Soybean
Start	8470	End	8781
GI	none	Score	227
Exons	8470..8781		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o1.tm	Method	TBLASTX:Maize
Start	8680	End	9255
GI	none	Score	203
Exons	8680..9012, 8681..9013, 8898..9047, 9016..9252, 9031..9255, 9041..9253		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o1.ts	Method	TBLASTX:Soybean
Start	8797	End	9297
GI	none	Score	65
Exons	8797..9009, 8798..8872, 8810..9013, 8859..9014, 8860..9003, 9028..9279, 9035..9286, 9037..9297		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o5.tw	Method	TBLASTX:Wheat
Start	8854	End	9283
GI	none	Score	66
Exons	8854..9009, 9013..9279, 9027..9137, 9028..9186, 9029..9283		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5

Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o8.tm	Method	TBLASTX:Maize
Start	9501	End	9795
GI	none	Score	181
Exons	9501..9794, 9520..9795, 9529..9795		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o7.tw	Method	TBLASTX:Wheat
Start	9582	End	9950
GI	none	Score	69
Exons	9582..9950, 9643..9807, 9826..9921		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o3.ts	Method	TBLASTX:Soybean
Start	9699	End	10247
GI	none	Score	94
Exons	9699..9803, 9807..9989, 9814..9921, 9840..9983, 9990..10109, 10078..10242, 10101..10247		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12326	Strand	-
Start	8434	End	10343
Name	OJ991103_07.0121.C5.o2.tm	Method	TBLASTX:Maize
Start	9801	End	10314
GI	none	Score	90
Exons	9801..9977, 9801..10091, 9848..9994, 9973..10092, 10116..10259, 10120..10314		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12327	Strand	
Start	11852	End	12250
Name	OJ991103_07.0121.C5.o10.tm	Method	TBLASTX:Maize
Start	11852	End	12250
GI	none	Score	113
Exons	11852..11944, 11857..11952, 12023..12100, 12024..12095, 12114..12236, 12128..12250		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12327	Strand	
Start	11852	End	12250
Name	OJ991103_07.0121.C5.o3.tc	Method	TBLASTX:Cress
Start	11852	End	12236
GI	none	Score	105
Exons	11852..11944, 11875..11970, 12024..12236, 12026..12229		

Seq. No.	5834	Seq. ID	OJ991103_07.0121.C5
Gene No.	12327	Strand	
Start	11852	End	12250
Name	OJ991103_07.0121.C5.o6.ts	Method	TBLASTX:Soybean
Start	11855	End	12241
GI	none	Score	107
Exons	11855..11944, 11857..11952, 12023..12241, 12024..12236		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12328	Strand	+
Start	1	End	197
Name	OJ991103_07.0121.C6.o1.np	Method	AAT/NAP
Start	1	End	179
GI	5803244	Score	176
Exons	1..179		
GI Descrip.	(AP000399) similar to hexose carrier protein HEX6 &RCCHCP_1 (Q07423) [Oryza sativa]		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12328	Strand	+
Start	1	End	197
Name	OJ991103_07.0121.C6.o1.gs	Method	GENSCAN
Start	33	End	197
GI	none	Score	.99
Exons	33..197		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o5.tm	Method	TBLASTX:Maize
Start	3	End	146
GI	none	Score	178
Exons	3..146, 9..122		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o2.gs	Method	GENSCAN
Start	519	End	2540
GI	none	Score	.96
Exons	519..2540		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o3.tm	Method	TBLASTX:Maize
Start	519	End	848
GI	none	Score	46
Exons	519..566, 520..558, 611..727, 618..848, 619..834		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o2.np	Method	AAT/NAP
Start	597	End	2513
GI	1418331	Score	1712
Exons	597..2513		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o1.tc	Method	TBLASTX:Cress
Start	609	End	2402

GI	none	Score	109
Exons	609..839, 613..840, 822..1184, 856..1038, 1096..1155, 1203..1568, 1203..1550, 1204..1599, 1668..1979, 1717..1965, 1863..1988, 1974..2402, 2002..2385		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o3.ts	Method	TBLASTX:Soybean
Start	628	End	953
GI	none	Score	102
Exons	628..918, 651..953		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o1.tm	Method	TBLASTX:Maize
Start	850	End	1428
GI	none	Score	341
Exons	850..1185, 855..1184, 957..1211, 1188..1427, 1203..1427, 1207..1428		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o1.ts	Method	TBLASTX:Soybean
Start	969	End	1479
GI	none	Score	69
Exons	969..1181, 970..1038, 983..1129, 984..1175, 1203..1478, 1206..1478, 1207..1479		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o1.tw	Method	TBLASTX:Wheat
Start	1026	End	1451
GI	none	Score	130
Exons	1026..1181, 1185..1451, 1204..1449		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o2.tw	Method	TBLASTX:Wheat
Start	1482	End	1811
GI	none	Score	104
Exons	1482..1523, 1527..1649, 1528..1650, 1668..1811, 1714..1809		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o4.tm	Method	TBLASTX:Maize
Start	1626	End	1884
GI	none	Score	122
Exons	1626..1883, 1714..1884		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-

Start	519	End	2540
Name	OJ991103_07.0121.C6.o2.ts	Method	TBLASTX:Soybean
Start	1808	End	2436
GI	none	Score	118
Exons	1808..1855, 1869..1982, 1977..2150, 1978..2145, 2175..2423, 2179..2436		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o3.tw	Method	TBLASTX:Wheat
Start	1812	End	2058
GI	none	Score	120
Exons	1812..2057, 1831..2058		

Seq. No.	5835	Seq. ID	OJ991103_07.0121.C6
Gene No.	12329	Strand	-
Start	519	End	2540
Name	OJ991103_07.0121.C6.o2.tm	Method	TBLASTX:Maize
Start	1884	End	2458
GI	none	Score	59
Exons	1884..1958, 1901..2050, 1902..1982, 1975..2319, 1977..2318, 2030..2362, 2337..2456, 2341..2415, 2381..2458		

Seq. No.	5836	Seq. ID	OJ991103_07.0121.C7
Gene No.	12330	Strand	-
Start	144	End	259
Name	OJ991103_07.0121.C7.o1.gs	Method	GENSCAN
Start	144	End	259
GI	none	Score	.6
Exons	144..259		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12331	Strand	+
Start	2459	End	3880
Name	OJ991103_07.0121.C9.o1.gs	Method	GENSCAN
Start	2459	End	3880
GI	none	Score	.78
Exons	2459..2927, 2993..3343, 3448..3474, 3684..3880		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12332	Strand	+
Start	6510	End	9955
Name	OJ991103_07.0121.C9.o2.gs	Method	GENSCAN
Start	6510	End	9955
GI	none	Score	.58
Exons	6510..9415, 9568..9955		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12333	Strand	-
Start	10642	End	12672
Name	OJ991103_07.0121.C9.o3.gs	Method	GENSCAN
Start	10642	End	12672
GI	none	Score	.61
Exons	10642..12672		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9

Gene No.	12333	Strand	-
Start	10642	End	12672
Name	OJ991103_07.0121.C9.o1.np	Method	AAT/NAP
Start	10720	End	12636
GI	1418331	Score	1695
Exons	10720..12636		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12334	Strand	-
Start	13370	End	13780
Name	OJ991103_07.0121.C9.o4.gs	Method	GENSCAN
Start	13370	End	13780
GI	none	Score	1
Exons	13370..13780		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o4.tw	Method	TBLASTX:Wheat
Start	2753	End	2991
GI	none	Score	53
Exons	2753..2800, 2768..2800, 2788..2847, 2789..2857, 2864..2911, 2865..2912, 2911..2991, 2913..2981, 2914..2982		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o2.tc	Method	TBLASTX:Cress
Start	6735	End	8648
GI	none	Score	202
Exons	6735..7163, 6801..6944, 6804..7085, 6824..6949, 6855..7016, 6870..6998, 6927..7163, 6945..7076, 7110..7274, 7332..7520, 7569..7661, 7572..7796, 7572..7676, 7614..7796, 7662..7796, 7812..7958, 7866..8249, 7934..8248, 7946..8107, 7994..8248, 8010..8318, 8043..8318, 8171..8248, 8316..8468, 8319..8621, 8321..8467, 8322..8474, 8334..8471, 8409..8540, 8421..8615, 8466..8612, 8474..8644, 8477..8644, 8481..8648, 8502..8645		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o2.ts	Method	TBLASTX:Soybean
Start	6735	End	8675
GI	none	Score	180
Exons	6735..7082, 6735..7070, 6746..6955, 6747..7082, 6747..6932, 6768..7082, 6842..6952, 6845..6943, 6882..7127, 6989..7072, 7083..7151, 7101..7160, 7175..7246, 7176..7274, 7341..7520, 7469..7771, 7569..7796, 7569..7802, 7569..7733, 7569..7730, 7572..7796, 7572..7802, 7605..7796, 7818..7937, 7923..7958, 7932..8354, 8013..8318, 8013..8318, 8025..8318, 8043..8318, 8069..8200, 8316..8675, 8319..8543, 8319..8612, 8319..8609, 8319..8612, 8319..8615, 8358..8612, 8369..8611, 8493..8612, 8550..8660		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-

Start	16256	End	18268
Name	OJ991103_07.0121.C9.o2.tm	Method	TBLASTX:Maize
Start	6768	End	8675
GI	none	Score	162
Exons	6768..7070, 6840..7127, 7086..7163, 7161..7298, 7227..7301, 7317..7415, 7362..7517, 7374..7463, 7488..7907, 7505..7591, 7596..7688, 7627..7893, 7628..7903, 7821..8231, 8157..8318, 8316..8609, 8520..8675		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o1.tc	Method	TBLASTX:Cress
Start	8886	End	18150
GI	none	Score	81
Exons	8886..8969, 8985..9362, 9399..9425, 10732..11325, 10748..11164, 10915..11304, 11329..11691, 11333..11674, 11803..12129, 11804..12004, 12106..12537, 12107..12337, 16368..16448, 16370..16927, 16557..16895, 16942..17004, 16946..17392, 16947..17294, 17367..17717, 17447..17722, 17711..17992, 17745..17837, 18031..18150		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o1.ts	Method	TBLASTX:Soybean
Start	8901	End	17228
GI	none	Score	77
Exons	8901..8984, 8903..8968, 8976..9362, 9027..9170, 9272..9379, 11095..11301, 11095..11307, 11332..11604, 11333..11605, 16715..16921, 16715..16927, 16723..16926, 16952..17224, 16953..17228		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o1.tw	Method	TBLASTX:Wheat
Start	8925	End	17203
GI	none	Score	55
Exons	8925..8975, 8991..9350, 11152..11307, 11311..11583, 11345..11572, 16772..16927, 16937..17203, 16965..17108, 17157..17192		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o1.tm	Method	TBLASTX:Maize
Start	8991	End	17174
GI	none	Score	104
Exons	8991..9182, 9195..9362, 10979..11323, 10981..11310, 11323..11550, 11328..11549, 11329..11553, 11333..11554, 16596..16925, 16596..16922, 16598..16927, 16606..16959, 16934..17173, 16953..17174		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268

Name	OJ991103_07.0121.C9.o5.tm	Method	TBLASTX:Maize
Start	9363	End	9892
GI	none	Score	70
Exons	9363..9425, 9365..9424, 9369..9434, 9370..9441, 9371..9427, 9560..9736, 9560..9733, 9582..9734, 9788..9892, 9808..9891		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o4.ts	Method	TBLASTX:Soybean
Start	9581	End	16699
GI	none	Score	63
Exons	9581..9658, 9824..9901, 10751..10945, 10774..10968, 10963..11079, 10982..11077, 16385..16576, 16568..16699		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o5.tw	Method	TBLASTX:Wheat
Start	9581	End	16765
GI	none	Score	67
Exons	9581..9649, 9815..9904, 10762..10950, 10984..11145, 10997..11131, 16367..16576, 16556..16627, 16604..16765, 16617..16757		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o4.tm	Method	TBLASTX:Maize
Start	10642	End	16585
GI	none	Score	42
Exons	10642..10680, 10643..10681, 10735..10806, 10745..10975, 10747..10968, 16356..16448, 16370..16585, 16376..16465, 16481..16576		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o3.tw	Method	TBLASTX:Wheat
Start	11608	End	17536
GI	none	Score	77
Exons	11608..11649, 11653..11775, 11654..11776, 11797..11937, 11798..11938, 17228..17269, 17273..17536, 17274..17534		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o6.tm	Method	TBLASTX:Maize
Start	11803	End	17630
GI	none	Score	149
Exons	11803..12018, 11804..12019, 17412..17630, 17435..17629		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o2.tw	Method	TBLASTX:Wheat
Start	11938	End	17797

GI	none	Score	165
Exons	11938..12192, 17546..17794, 17550..17795, 17561..17797		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o3.ts	Method	TBLASTX:Soybean
Start	12004	End	18168
GI	none	Score	68
Exons	12004..12141, 12112..12294, 12119..12325, 12304..12555, 12314..12556, 12605..12649, 17549..17596, 17612..17725, 17720..17905, 17721..17843, 18037..18168		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o3.tm	Method	TBLASTX:Maize
Start	12019	End	18268
GI	none	Score	165
Exons	12019..12093, 12106..12453, 12107..12454, 12190..12456, 12463..12585, 12467..12550, 17638..17667, 17648..17701, 17649..17702, 17714..17992, 17715..17993, 17778..17993, 18088..18189, 18089..18268		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o5.gs	Method	GENSCAN
Start	16256	End	18211
GI	none	Score	.72
Exons	16256..17955, 18018..18211		

Seq. No.	5837	Seq. ID	OJ991103_07.0121.C9
Gene No.	12335	Strand	-
Start	16256	End	18268
Name	OJ991103_07.0121.C9.o2.np	Method	AAT/NAP
Start	16367	End	18261
GI	3236253	Score	1669
Exons	16367..18261		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	5838	Seq. ID	OJ991103_07.0121.C10
Gene No.	12336	Strand	+
Start	1438	End	7920
Name	OJ991103_07.0121.C10.o1.gs	Method	GENSCAN
Start	1438	End	7920
GI	none	Score	.43
Exons	1438..1500, 3088..3156, 3427..3629, 4565..4722, 5393..5433, 5532..5741, 7855..7920		

Seq. No.	5838	Seq. ID	OJ991103_07.0121.C10
Gene No.	12336	Strand	+
Start	1438	End	7920
Name	OJ991103_07.0121.C10.o1.gp	Method	AAT/GAP
Start	4923	End	5875
GI	none	Score	1430

Exons	4923..5304, 5393..5433, 5532..5875		
Seq. No.	5838	Seq. ID	OJ991103_07.0121.C10
Gene No.	12336	Strand	+
Start	1438	End	7920
Name	OJ991103_07.0121.C10.o1.np	Method	AAT/NAP
Start	5437	End	5852
GI	4490726	Score	168
Exons	5437..5733, 5770..5852		
GI Descrip.	(AL035709) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	5839	Seq. ID	OJ991103_07.0121.C11
Gene No.	12337	Strand	-
Start	185	End	371
Name	OJ991103_07.0121.C11.o1.gs	Method	GENSCAN
Start	185	End	371
GI	none	Score	.61
Exons	185..371		
Seq. No.	5839	Seq. ID	OJ991103_07.0121.C11
Gene No.	12338	Strand	-
Start	4132	End	6508
Name	OJ991103_07.0121.C11.o1.gp	Method	AAT/GAP
Start	1560	End	4401
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	1560..1625, 4366..4401		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	5839	Seq. ID	OJ991103_07.0121.C11
Gene No.	12338	Strand	-
Start	4132	End	6508
Name	OJ991103_07.0121.C11.o2.gs	Method	GENSCAN
Start	4132	End	6370
GI	none	Score	.82
Exons	4132..4178, 4211..4290, 5483..5651, 6084..6209, 6346..6370		
Seq. No.	5839	Seq. ID	OJ991103_07.0121.C11
Gene No.	12338	Strand	-
Start	4132	End	6508
Name	OJ991103_07.0121.C11.o1.np	Method	AAT/NAP
Start	5235	End	5684
GI	6539570	Score	202
Exons	5235..5301, 5491..5684		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	5839	Seq. ID	OJ991103_07.0121.C11
Gene No.	12338	Strand	-
Start	4132	End	6508
Name	OJ991103_07.0121.C11.o2.np	Method	AAT/NAP
Start	5820	End	6508
GI	6630699	Score	87
Exons	5820..5898, 6457..6508		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12339	Strand	+
Start	1	End	1917
Name	OJ991103_07.0121.C12.o1.np	Method	AAT/NAP
Start	1	End	1917
GI	3236253	Score	1397
Exons	1..715, 753..1917		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o1.tc	Method	TBLASTX:Cress
Start	5	End	1788
GI	none	Score	43
Exons	5..40, 34..387, 58..387, 409..603, 417..584, 628..702, 843..1553, 844..1554, 1573..1788, 1585..1770		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o3.ts	Method	TBLASTX:Soybean
Start	33	End	552
GI	none	Score	80
Exons	33..164, 34..174, 211..351, 213..482, 217..489, 505..552		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o2.tw	Method	TBLASTX:Wheat
Start	235	End	579
GI	none	Score	85
Exons	235..384, 237..365, 409..579		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o3.tm	Method	TBLASTX:Maize
Start	297	End	702
GI	none	Score	59
Exons	297..371, 298..387, 409..579, 414..587, 628..702		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o1.ts	Method	TBLASTX:Soybean
Start	934	End	1443
GI	none	Score	543
Exons	934..1443, 936..1442		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o1.tw	Method	TBLASTX:Wheat
Start	969	End	1388

GI	none	Score	272
Exons	969..1388, 1024..1386		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o1.tm	Method	TBLASTX:Maize
Start	987	End	1554
GI	none	Score	98
Exons	987..1193, 990..1208, 991..1260, 1009..1221, 1210..1542, 1213..1554, 1245..1550		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o2.ts	Method	TBLASTX:Soybean
Start	1459	End	1770
GI	none	Score	235
Exons	1459..1770, 1461..1598		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o2.tm	Method	TBLASTX:Maize
Start	1582	End	1839
GI	none	Score	233
Exons	1582..1839, 1582..1830		

Seq. No.	5840	Seq. ID	OJ991103_07.0121.C12
Gene No.	12340	Strand	+
Start	3028	End	3598
Name	OJ991103_07.0121.C12.o2.gs	Method	GENSCAN
Start	3028	End	3598
GI	none	Score	.42
Exons	3028..3225, 3317..3598		

Seq. No.	5841	Seq. ID	OJ991103_07.0121.C13
Gene No.	12341	Strand	+
Start	156	End	591
Name	OJ991103_07.0121.C13.o1.gs	Method	GENSCAN
Start	156	End	591
GI	none	Score	.45
Exons	156..591		

Seq. No.	5841	Seq. ID	OJ991103_07.0121.C13
Gene No.	12342	Strand	-
Start	1333	End	2115
Name	OJ991103_07.0121.C13.o2.gs	Method	GENSCAN
Start	1333	End	2115
GI	none	Score	.88
Exons	1333..2115		

Seq. No.	5842	Seq. ID	OJ991103_03.0125.C1
Gene No.	12343	Strand	-
Start	43	End	85
Name	OJ991103_03.0125.C1.o1.gs	Method	GENSCAN
Start	43	End	85

GI	none	Score	.87
Exons	43..85		

Seq. No.	5843	Seq. ID	OJ991103_03.0125.C2
Gene No.	12344	Strand	-
Start	119	End	480
Name	OJ991103_03.0125.C2.o1.gs	Method	GENSCAN
Start	119	End	480
GI	none	Score	.58
Exons	119..261, 384..480		

Seq. No.	5844	Seq. ID	OJ991103_03.0125.C3
Gene No.	12345	Strand	+
Start	1756	End	1910
Name	OJ991103_03.0125.C3.o1.gs	Method	GENSCAN
Start	1756	End	1910
GI	none	Score	.83
Exons	1756..1910		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12346	Strand	+
Start	321	End	3985
Name	OJ991103_03.0125.C4.o1.np	Method	AAT/NAP
Start	321	End	3690
GI	404028	Score	961
Exons	321..726, 1753..1886, 1975..2089, 2634..2729, 3033..3120, 3204..3272, 3433..3690		
GI Descrip.	(M96569) oleoyl-acyl carrier protein thioesterase [Carthamus tinctorius] gi|445624|prf||1909371A oleoyl acyl carrier protein thioesterase [Carthamus tinctorius]		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12346	Strand	+
Start	321	End	3985
Name	OJ991103_03.0125.C4.o1.gs	Method	GENSCAN
Start	412	End	3687
GI	none	Score	.61
Exons	412..726, 774..858, 1975..2089, 2634..2729, 3033..3120, 3204..3272, 3433..3687		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12346	Strand	+
Start	321	End	3985
Name	OJ991103_03.0125.C4.o1.gp	Method	AAT/GAP
Start	3433	End	3985
GI	84014_1.R1084	Score	1028
Exons	3433..3985		
GI Descrip.	'1930079 7.0e-19 (U92877) acyl-ACP thioesterase [Garcinia mangostana]'		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12347	Strand	+
Start	18445	End	22098
Name	OJ991103_03.0125.C4.o5.gs	Method	GENSCAN
Start	18445	End	21378
GI	none	Score	.4
Exons	18445..21378		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12347	Strand	+
Start	18445	End	22098
Name	OJ991103_03.0125.C4.o4.np	Method	AAT/NAP
Start	18544	End	22098
GI	2914695	Score	390
Exons	18544..19599, 22074..22098		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12347	Strand	+
Start	18445	End	22098
Name	OJ991103_03.0125.C4.o2.gp	Method	AAT/GAP
Start	19610	End	19857
GI	none	Score	484
Exons	19610..19857		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12348	Strand	-
Start	5115	End	8675
Name	OJ991103_03.0125.C4.o2.np	Method	AAT/NAP
Start	5101	End	8663
GI	6642643	Score	462
Exons	5101..5318, 6414..6541, 7988..8246, 8304..8663		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12348	Strand	-
Start	5115	End	8675
Name	OJ991103_03.0125.C4.o2.gs	Method	GENSCAN
Start	5115	End	8675
GI	none	Score	.82
Exons	5115..5318, 6414..6568, 7958..8675		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12349	Strand	-
Start	12562	End	13046
Name	OJ991103_03.0125.C4.o3.gs	Method	GENSCAN
Start	12562	End	13046
GI	none	Score	.46
Exons	12562..12597, 12981..13046		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o1.tm	Method	TBLASTX:Maize
Start	402	End	3819
GI	none	Score	69
Exons	402..446, 403..441, 577..726, 641..670, 654..716, 1747..1887, 1752..1883, 1975..2088, 1994..2116, 1995..2087, 1997..2089, 2623..2727, 2629..2730, 2630..2728, 2631..2738, 2996..3109, 3030..3110, 3030..3125, 3031..3120, 3188..3277, 3198..3272, 3205..3273, 3430..3606, 3433..3606, 3471..3620, 3538..3687, 3576..3686, 3590..3730, 3787..3819		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o2.tc	Method	TBLASTX:Cress
Start	592	End	3675
GI	none	Score	183
Exons	592..726, 660..716, 1747..1887, 1749..1883, 1750..1887, 1994..2107, 1995..2087, 2623..2730, 2629..2730, 3030..3113, 3031..3117, 3177..3263, 3198..3272, 3203..3277, 3430..3531, 3432..3506, 3559..3675, 3561..3674		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o2.tm	Method	TBLASTX:Maize
Start	5157	End	8532
GI	none	Score	63
Exons	5157..5246, 6409..6507, 6411..6542, 8295..8519, 8304..8504, 8308..8532		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o1.tc	Method	TBLASTX:Cress
Start	8304	End	8663
GI	none	Score	176
Exons	8304..8537, 8305..8538, 8520..8663, 8521..8643		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o1.ts	Method	TBLASTX:Soybean
Start	8310	End	8666
GI	none	Score	123
Exons	8310..8519, 8310..8537, 8317..8538, 8520..8666, 8521..8664		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o4.gs	Method	GENSCAN
Start	15510	End	17428
GI	none	Score	.6
Exons	15510..15686, 15712..15882, 16274..16464, 17092..17428		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12350	Strand	-
Start	15510	End	17428
Name	OJ991103_03.0125.C4.o3.np	Method	AAT/NAP
Start	15589	End	17412
GI	6815052	Score	463
Exons	15589..15691, 17076..17166, 17248..17412		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12351	Strand	
Start	19042	End	19428
Name	OJ991103_03.0125.C4.o3.tc	Method	TBLASTX:Cress

Start	19042	End	19428
GI	none	Score	136
Exons	19042..19275, 19104..19193, 19294..19428, 19299..19400		

Seq. No.	5845	Seq. ID	OJ991103_03.0125.C4
Gene No.	12352	Strand	
Start	20512	End	20973
Name	OJ991103_03.0125.C4.o3.tm	Method	TBLASTX:Maize
Start	20512	End	20973
GI	none	Score	165
Exons	20512..20781, 20512..20646, 20542..20649, 20544..20654, 20545..20679, 20582..20653, 20624..20791, 20843..20917, 20844..20900, 20884..20973, 20885..20956		

Seq. No.	5846	Seq. ID	OJ991103_03.0125.C5
Gene No.	12353	Strand	+
Start	352	End	2161
Name	OJ991103_03.0125.C5.o1.gs	Method	GENSCAN
Start	352	End	2161
GI	none	Score	.61
Exons	352..580, 1388..1589, 2079..2161		

Seq. No.	5846	Seq. ID	OJ991103_03.0125.C5
Gene No.	12353	Strand	+
Start	352	End	2161
Name	OJ991103_03.0125.C5.o1.np	Method	AAT/NAP
Start	359	End	583
GI	2914695	Score	182
Exons	359..583		
GI Descrip.	(AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	5846	Seq. ID	OJ991103_03.0125.C5
Gene No.	12354	Strand	-
Start	2813	End	2980
Name	OJ991103_03.0125.C5.o1.tm	Method	TBLASTX:Maize
Start	349	End	575
GI	none	Score	319
Exons	349..564, 350..574, 351..575		

Seq. No.	5846	Seq. ID	OJ991103_03.0125.C5
Gene No.	12354	Strand	-
Start	2813	End	2980
Name	OJ991103_03.0125.C5.o1.ts	Method	TBLASTX:Soybean
Start	350	End	588
GI	none	Score	103
Exons	350..454, 350..469, 461..583, 493..588		

Seq. No.	5846	Seq. ID	OJ991103_03.0125.C5
Gene No.	12354	Strand	-
Start	2813	End	2980
Name	OJ991103_03.0125.C5.o2.gs	Method	GENSCAN
Start	2813	End	2980
GI	none	Score	.4
Exons	2813..2854, 2924..2980		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6

Gene No.	12355	Strand	+
Start	1	End	561
Name	OJ991103_03.0125.C6.o1.np	Method	AAT/NAP
Start	1	End	272
GI	5123951	Score	186
Exons	1..272		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12355	Strand	+
Start	1	End	561
Name	OJ991103_03.0125.C6.o1.gs	Method	GENSCAN
Start	153	End	561
GI	none	Score	.54
Exons	153..561		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12356	Strand	+
Start	1485	End	10089
Name	OJ991103_03.0125.C6.o2.gs	Method	GENSCAN
Start	1485	End	10089
GI	none	Score	.66
Exons	1485..1544, 1676..1829, 3293..3368, 3478..3569, 4106..4122, 6862..7349, 7477..7552, 8242..8355, 8489..8578, 8743..8929, 9572..10089		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12357	Strand	+
Start	12580	End	16311
Name	OJ991103_03.0125.C6.o4.gs	Method	GENSCAN
Start	12580	End	16023
GI	none	Score	.54
Exons	12580..12593, 12669..12829, 13690..13805, 14061..14130, 15887..16023		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12357	Strand	+
Start	12580	End	16311
Name	OJ991103_03.0125.C6.o2.gp	Method	AAT/GAP
Start	12701	End	16311
GI	none	Score	2181
Exons	12701..12829, 13545..13805, 14061..14130, 14328..14401, 15539..15755, 15887..16311		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12357	Strand	+
Start	12580	End	16311
Name	OJ991103_03.0125.C6.o3.np	Method	AAT/NAP
Start	14200	End	15748
GI	6642645	Score	149
Exons	14200..14221, 15523..15748		
GI Descrip.	(AC012395) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12358	Strand	-
Start	11421	End	12460

Name	OJ991103_03.0125.C6.o3.gs	Method	GENSCAN
Start	11421	End	12460
GI	none	Score	.5
Exons	11421..11915, 12099..12258, 12297..12460		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12358	Strand	-
Start	11421	End	12460
Name	OJ991103_03.0125.C6.o2.np	Method	AAT/NAP
Start	11481	End	12178
GI	6957701	Score	268
Exons	11481..11897, 12074..12178		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12358	Strand	-
Start	11421	End	12460
Name	OJ991103_03.0125.C6.o1.gp	Method	AAT/GAP
Start	11760	End	12451
GI	none	Score	920
Exons	11760..11889, 12099..12451		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o2.tc	Method	TBLASTX:Cress
Start	171	End	15745
GI	none	Score	73
Exons	171..251, 15554..15745, 15565..15738		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o3.tm	Method	TBLASTX:Maize
Start	171	End	15916
GI	none	Score	65
Exons	171..251, 15550..15741, 15553..15759, 15554..15760, 15563..15766, 15875..15916		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o2.ts	Method	TBLASTX:Soybean
Start	171	End	15745
GI	none	Score	74
Exons	171..251, 15551..15745, 15563..15739		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o4.tm	Method	TBLASTX:Maize
Start	7126	End	8985
GI	none	Score	158
Exons	7126..7227, 7146..7349, 7291..7356, 7474..7548, 7475..7558, 7478..7555, 8263..8316, 8265..8327, 8314..8358, 8485..8577, 8486..8578, 8487..8579, 8488..8580, 8737..8964, 8739..8975, 8740..8985, 8742..8969		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o1.tm	Method	TBLASTX:Maize
Start	10682	End	12427
GI	none	Score	117
Exons	10682..10774, 10685..10771, 10686..10811, 10687..10782, 10687..10821, 11475..11642, 11480..11641, 11481..11642, 11482..11643, 11519..11653, 11645..11890, 11646..11918, 11646..11888, 12088..12153, 12088..12162, 12089..12202, 12095..12232, 12311..12427		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o5.tm	Method	TBLASTX:Maize
Start	13542	End	14132
GI	none	Score	222
Exons	13542..13805, 13583..13804, 14064..14129, 14085..14132		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o3.gp	Method	AAT/GAP
Start	16540	End	19591
GI	194_1.R1084	Score	1831
Exons	16540..17012, 17117..17264, 17660..17704, 17832..17946, 18039..18160, 18873..18917, 19552..19591		
GI Descrip.	'3334144/sp|P93411|CG1C_ORYSA 1.0e-147 G1/S-SPECIFIC CYCLIN C-TYPE >gi_1695698_dbj_BAA13181_ (D86925) C-type cyclin [Oryza sativa]'		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o2.tm	Method	TBLASTX:Maize
Start	16886	End	19589
GI	none	Score	134
Exons	16886..17008, 16895..17011, 16896..17012, 17112..17264, 17114..17263, 17118..17264, 17120..17266, 17140..17271, 17644..17700, 17646..17699, 17659..17706, 17660..17710, 17829..17933, 17830..17943, 17831..17944, 18016..18162, 18027..18158, 18037..18159, 18038..18163, 19470..19589		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o5.gs	Method	GENSCAN
Start	16893	End	18383
GI	none	Score	.84
Exons	16893..17012, 17117..17264, 17660..17830, 17832..17946, 18039..18210, 18360..18383		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591

Name	OJ991103_03.0125.C6.o4.np	Method	AAT/NAP
Start	16896	End	19591
GI	3334144	Score	887
Exons	16896..17012, 17117..17264, 17660..17704, 17832..17946, 18039..18160, 18873..18917, 19552..19591		
GI Descrip.	G1/S-SPECIFIC CYCLIN C-TYPE gi|1695698|dbj|BAA13181| (D86925) C-type cyclin [Oryza sativa]		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o1.tc	Method	TBLASTX:Cress
Start	16962	End	17962
GI	none	Score	151
Exons	16962..17012, 17114..17263, 17115..17264, 17837..17866, 17838..17867, 17873..17947, 17873..17962		

Seq. No.	5847	Seq. ID	OJ991103_03.0125.C6
Gene No.	12359	Strand	-
Start	16893	End	19591
Name	OJ991103_03.0125.C6.o1.ts	Method	TBLASTX:Soybean
Start	17135	End	18919
GI	none	Score	123
Exons	17135..17263, 17136..17264, 17181..17264, 17674..17703, 17829..17942, 17837..17944, 17843..17941, 17848..17955, 18025..18159, 18036..18158, 18043..18162, 18047..18163, 18872..18919		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12360	Strand	+
Start	52	End	522
Name	OJ991103_03.0125.C7.o1.gs	Method	GENSCAN
Start	52	End	522
GI	none	Score	.54
Exons	52..522		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12361	Strand	+
Start	11116	End	12794
Name	OJ991103_03.0125.C7.o2.np	Method	AAT/NAP
Start	11116	End	12794
GI	5281036	Score	1287
Exons	11116..11302, 11665..12794		
GI Descrip.	(AL080318) nucleotide sugar epimerase-like protein [Arabidopsis thaliana]		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12361	Strand	+
Start	11116	End	12794
Name	OJ991103_03.0125.C7.o3.gp	Method	AAT/GAP
Start	11305	End	11676
GI	none	Score	697
Exons	11305..11676		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12361	Strand	+
Start	11116	End	12794

Name	OJ991103_03.0125.C7.o4.gp	Method	AAT/GAP
Start	11854	End	12430
GI	41448_2.R1084	Score	923
Exons	11854..12430		
GI Descrip.	'3193316 3.0e-40 (AF069299) contains similarity to nucleotide sugar epimerases [Arabidopsis thaliana]'		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12362	Strand	+
Start	18909	End	20491
Name	OJ991103_03.0125.C7.o3.np	Method	AAT/NAP
Start	18909	End	20491
GI	5803254	Score	724
Exons	18909..19723, 19851..20040, 20163..20491		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12363	Strand	+
Start	22181	End	22646
Name	OJ991103_03.0125.C7.o7.gp	Method	AAT/GAP
Start	22181	End	22646
GI	none	Score	928
Exons	22181..22646		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12364	Strand	-
Start	1	End	435
Name	OJ991103_03.0125.C7.o1.np	Method	AAT/NAP
Start	1	End	312
GI	3334144	Score	190
Exons	1..150, 281..312		
GI Descrip.	G1/S-SPECIFIC CYCLIN C-TYPE gi|1695698|dbj|BAA13181| (D86925) C-type cyclin [Oryza sativa]		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12364	Strand	-
Start	1	End	435
Name	OJ991103_03.0125.C7.o1.gp	Method	AAT/GAP
Start	44	End	435
GI	194_1.R1084	Score	422
Exons	44..150, 281..435		
GI Descrip.	'3334144/sp|P93411|CG1C_ORYSA 1.0e-147 G1/S-SPECIFIC CYCLIN C-TYPE >gi_1695698_dbj_BAA13181_ (D86925) C-type cyclin [Oryza sativa]'		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12365	Strand	-
Start	2679	End	2775
Name	OJ991103_03.0125.C7.o2.gp	Method	AAT/GAP
Start	2679	End	2775
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	2679..2775		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12366	Strand	-
Start	12161	End	13188
Name	OJ991103_03.0125.C7.o5.gp	Method	AAT/GAP
Start	12161	End	12674
GI	41448_1.R1084	Score	836
Exons	12161..12674		
GI Descrip.	'5281036/emb|CAB45972.1| 1.0e-39 (AL080318) nucleotide sugar epimerase-like protein [Arabidopsis thaliana]'		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12366	Strand	-
Start	12161	End	13188
Name	OJ991103_03.0125.C7.o6.gp	Method	AAT/GAP
Start	12548	End	13188
GI	none	Score	1200
Exons	12548..13188		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12367	Strand	-
Start	13479	End	16472
Name	OJ991103_03.0125.C7.o4.gs	Method	GENSCAN
Start	13479	End	16472
GI	none	Score	.58
Exons	13479..13762, 15997..16157, 16462..16472		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o4.tc	Method	TBLASTX:Cress
Start	11483	End	11902
GI	none	Score	88
Exons	11483..11578, 11704..11832, 11717..11902		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o1.ts	Method	TBLASTX:Soybean
Start	11717	End	12769
GI	none	Score	466
Exons	11717..12097, 11758..11832, 11887..12096, 12106..12474, 12107..12475, 12523..12747, 12524..12769		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o4.tm	Method	TBLASTX:Maize
Start	11777	End	11983
GI	none	Score	287
Exons	11777..11983, 11779..11832		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o1.tc	Method	TBLASTX:Cress
Start	11906	End	12793

GI	none	Score	225
Exons	11906..12100, 11983..12099, 12091..12375, 12104..12475, 12311..12451, 12427..12474, 12527..12565, 12532..12564, 12565..12747, 12566..12793		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o2.tm	Method	TBLASTX:Maize
Start	12047	End	12769
GI	none	Score	63
Exons	12047..12097, 12106..12474, 12107..12475, 12508..12606, 12523..12747, 12524..12769		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o5.tm	Method	TBLASTX:Maize
Start	19149	End	19472
GI	none	Score	44
Exons	19149..19190, 19152..19229, 19214..19468, 19230..19472		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o6.gs	Method	GENSCAN
Start	21879	End	25125
GI	none	Score	.8
Exons	21879..21883, 22541..22866, 22982..25125		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o1.tw	Method	TBLASTX:Wheat
Start	22485	End	22851
GI	none	Score	336
Exons	22485..22850, 22497..22847, 22498..22851		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o1.tm	Method	TBLASTX:Maize
Start	22512	End	24354
GI	none	Score	513
Exons	22512..22967, 22513..22974, 22982..23476, 22984..24354, 22985..24352		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o3.ts	Method	TBLASTX:Soybean
Start	22512	End	23166
GI	none	Score	187
Exons	22512..22943, 22521..22940, 22522..22977, 22987..23166, 22991..23143, 23023..23157		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7

Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o4.np	Method	AAT/NAP
Start	22512	End	25201
GI	2160156	Score	3448
Exons	22512..25201		
GI Descrip.	(AC000132) Strong similarity to S. pombe leucyl-tRNA synthetase (gb|Z73100). [Arabidopsis thaliana]		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o3.tc	Method	TBLASTX:Cress
Start	22513	End	22883
GI	none	Score	214
Exons	22513..22878, 22515..22883		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o5.ts	Method	TBLASTX:Soybean
Start	23248	End	23589
GI	none	Score	228
Exons	23248..23589, 23249..23587, 23251..23589		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o2.ts	Method	TBLASTX:Soybean
Start	23590	End	24352
GI	none	Score	255
Exons	23590..23823, 23591..23821, 23818..24351, 23822..24352		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o8.gp	Method	AAT/GAP
Start	23890	End	24425
GI	LIB3475-007-P1-K1-D9	Score	1060
Exons	23890..24425		
GI Descrip.	'2160156 2.0e-81 (AC000132) Strong similarity to S. pombe leucyl-tRNA synthetase (gb_Z73100): [Arabidopsis thaliana]'		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o4.ts	Method	TBLASTX:Soybean
Start	24352	End	24688
GI	none	Score	280
Exons	24352..24687, 24419..24688		

Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o3.tm	Method	TBLASTX:Maize
Start	24390	End	24702
GI	none	Score	266

Exons	24390..24698, 24391..24702, 24419..24700		
Seq. No.	5848	Seq. ID	OJ991103_03.0125.C7
Gene No.	12368	Strand	-
Start	21879	End	25201
Name	OJ991103_03.0125.C7.o2.tc	Method	TBLASTX:Cress
Start	24916	End	25201
GI	none	Score	272
Exons	24916..25200, 24926..25201		
Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12369	Strand	+
Start	1293	End	1502
Name	OJ991103_03.0125.C8.o1.gs	Method	GENSCAN
Start	1293	End	1502
GI	none	Score	.93
Exons	1293..1502		
Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12370	Strand	-
Start	1	End	306
Name	OJ991103_03.0125.C8.o1.np	Method	AAT/NAP
Start	1	End	306
GI	2160156	Score	369
Exons	1..306		
GI Descrip.	(AC000132) Strong similarity to S. pombe leucyl-tRNA synthetase (gb|Z73100). [Arabidopsis thaliana]		
Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12371	Strand	-
Start	2455	End	3591
Name	OJ991103_03.0125.C8.o1.tc	Method	TBLASTX:Cress
Start	20	End	291
GI	none	Score	132
Exons	20..241, 22..282, 22..153, 208..291		
Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12371	Strand	-
Start	2455	End	3591
Name	OJ991103_03.0125.C8.o3.ts	Method	TBLASTX:Soybean
Start	34	End	298
GI	none	Score	120
Exons	34..153, 38..172, 208..297, 209..298		
Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12371	Strand	-
Start	2455	End	3591
Name	OJ991103_03.0125.C8.o2.gs	Method	GENSCAN
Start	2455	End	3591
GI	none	Score	.97
Exons	2455..3180, 3478..3591		
Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12371	Strand	-
Start	2455	End	3591
Name	OJ991103_03.0125.C8.o1.tm	Method	TBLASTX:Maize
Start	2465	End	3180

GI	none	Score	173
Exons	2465..2671, 2467..2718, 2467..2730, 2468..2746, 2716..2868, 2720..2842, 2875..2991, 2879..2941, 2953..2994, 3052..3180, 3056..3175		

Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12371	Strand	-
Start	2455	End	3591
Name	OJ991103_03.0125.C8.o2.np	Method	AAT/NAP
Start	2470	End	3566
GI	5123942	Score	649
Exons	2470..3180, 3475..3566		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12371	Strand	-
Start	2455	End	3591
Name	OJ991103_03.0125.C8.o2.tc	Method	TBLASTX:Cress
Start	2473	End	2653
GI	none	Score	136
Exons	2473..2640, 2474..2653		

Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12371	Strand	-
Start	2455	End	3591
Name	OJ991103_03.0125.C8.o2.ts	Method	TBLASTX:Soybean
Start	2473	End	2689
GI	none	Score	129
Exons	2473..2673, 2474..2584, 2609..2689		

Seq. No.	5849	Seq. ID	OJ991103_03.0125.C8
Gene No.	12371	Strand	-
Start	2455	End	3591
Name	OJ991103_03.0125.C8.o1.ts	Method	TBLASTX:Soybean
Start	2689	End	3174
GI	none	Score	85
Exons	2689..2721, 2714..2842, 2716..2871, 2875..2994, 2879..2941, 3112..3174		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12372	Strand	+
Start	1	End	2843
Name	OJ991103_03.0125.C9.o2.np	Method	AAT/NAP
Start	1	End	2843
GI	6069646	Score	472
Exons	1..28, 1853..2843		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12373	Strand	+
Start	6921	End	9914
Name	OJ991103_03.0125.C9.o1.gp	Method	AAT/GAP
Start	6760	End	7201

GI	701961	Score	394
Exons	6760..7005, 7167..7201		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12373	Strand	+
Start	6921	End	9914
Name	OJ991103_03.0125.C9.o3.gs	Method	GENSCAN
Start	6921	End	9895
GI	none	Score	.48
Exons	6921..7005, 7912..8018, 8626..9444, 9790..9895		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12373	Strand	+
Start	6921	End	9914
Name	OJ991103_03.0125.C9.o4.np	Method	AAT/NAP
Start	8659	End	9914
GI	5803254	Score	773
Exons	8659..9444, 9545..9697, 9790..9914		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12374	Strand	-
Start	173	End	2864
Name	OJ991103_03.0125.C9.o1.gs	Method	GENSCAN
Start	173	End	2864
GI	none	Score	.89
Exons	173..314, 431..649, 1929..2054, 2354..2437, 2478..2864		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12374	Strand	-
Start	173	End	2864
Name	OJ991103_03.0125.C9.o1.np	Method	AAT/NAP
Start	173	End	496
GI	5123942	Score	188
Exons	173..314, 431..496		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o1.tc	Method	TBLASTX:Cress
Start	171	End	4657
GI	none	Score	72
Exons	171..245, 174..335, 175..336, 431..487, 4390..4542, 4391..4537, 4616..4657		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o2.ts	Method	TBLASTX:Soybean
Start	171	End	4657
GI	none	Score	125
Exons	171..335, 172..348, 431..487, 4390..4542, 4391..4537, 4405..4539, 4616..4657		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o1.tm	Method	TBLASTX:Maize
Start	174	End	4657
GI	none	Score	112
Exons	174..320, 174..335, 175..336, 431..490, 432..491, 3264..3311, 3305..3502, 3306..3503, 3518..3652, 3605..3661, 3662..3775, 3687..3779, 3848..3955, 3849..3944, 4390..4542, 4391..4537, 4420..4548, 4616..4657		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o4.tm	Method	TBLASTX:Maize
Start	1834	End	2181
GI	none	Score	219
Exons	1834..2091, 1848..2078, 1873..2082, 2098..2181		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o2.tm	Method	TBLASTX:Maize
Start	2283	End	2741
GI	none	Score	62
Exons	2283..2360, 2372..2605, 2373..2603, 2628..2741		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o1.tw	Method	TBLASTX:Wheat
Start	2372	End	2564
GI	none	Score	204
Exons	2372..2530, 2376..2564		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o3.np	Method	AAT/NAP
Start	3248	End	4681
GI	5123942	Score	783
Exons	3248..3955, 4045..4124, 4395..4536, 4616..4681		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o2.gs	Method	GENSCAN
Start	3269	End	5068
GI	none	Score	.72
Exons	3269..3979, 4036..4124, 4395..4536, 4616..4837, 5054..5068		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12375	Strand	-
Start	3269	End	5068
Name	OJ991103_03.0125.C9.o1.ts	Method	TBLASTX:Soybean
Start	3515	End	3955

GI	none	Score	49
Exons	3515..3652, 3561..3599, 3656..3778, 3687..3779, 3848..3955, 3849..3941		

Seq. No.	5850	Seq. ID	OJ991103_03.0125.C9
Gene No.	12376	Strand	
Start	9062	End	9702
Name	OJ991103_03.0125.C9.o3.tm	Method	TBLASTX:Maize
Start	9062	End	9702
GI	none	Score	75
Exons	9062..9274, 9066..9281, 9066..9287, 9067..9285, 9172..9294, 9260..9382, 9330..9359, 9366..9431, 9367..9429, 9378..9446, 9379..9435, 9521..9607, 9524..9607, 9610..9702, 9611..9700		

Seq. No.	5851	Seq. ID	OJ991103_03.0125.C10
Gene No.	12377	Strand	+
Start	1754	End	4378
Name	OJ991103_03.0125.C10.o1.gs	Method	GENSCAN
Start	1754	End	4378
GI	none	Score	.72
Exons	1754..1829, 2023..2132, 2833..3651, 3753..3905, 4001..4378		

Seq. No.	5851	Seq. ID	OJ991103_03.0125.C10
Gene No.	12377	Strand	+
Start	1754	End	4378
Name	OJ991103_03.0125.C10.o1.np	Method	AAT/NAP
Start	2866	End	4369
GI	5803254	Score	897
Exons	2866..3651, 3753..3905, 4001..4369		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	5851	Seq. ID	OJ991103_03.0125.C10
Gene No.	12378	Strand	-
Start	4840	End	9511
Name	OJ991103_03.0125.C10.o3.tm	Method	TBLASTX:Maize
Start	1062	End	5460
GI	none	Score	60
Exons	1062..1163, 1076..1156, 4948..5064, 5065..5298, 5066..5254, 5311..5460		

Seq. No.	5851	Seq. ID	OJ991103_03.0125.C10
Gene No.	12378	Strand	-
Start	4840	End	9511
Name	OJ991103_03.0125.C10.o1.tw	Method	TBLASTX:Wheat
Start	1088	End	5256
GI	none	Score	122
Exons	1088..1204, 4867..5067, 5143..5256		

Seq. No.	5851	Seq. ID	OJ991103_03.0125.C10
Gene No.	12378	Strand	-
Start	4840	End	9511
Name	OJ991103_03.0125.C10.o1.tm	Method	TBLASTX:Maize
Start	3269	End	4105
GI	none	Score	166
Exons	3269..3439, 3271..3480, 3273..3494, 3274..3492, 3563..3643,		

3575..3652, 3585..3653, 3732..3815, 3744..3827, 3752..3826, 3816..3935, 3842..3910, 4055..4105

Seq. No.	5851	Seq. ID	OJ991103_03.0125.C10
Gene No.	12378	Strand	-
Start	4840	End	9511
Name	OJ991103_03.0125.C10.o2.np	Method	AAT/NAP
Start	4840	End	9511
GI	6069646	Score	440
Exons	4840..5453, 6257..6599, 6882..7101, 9309..9511		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	5851	Seq. ID	OJ991103_03.0125.C10
Gene No.	12378	Strand	-
Start	4840	End	9511
Name	OJ991103_03.0125.C10.o2.tm	Method	TBLASTX:Maize
Start	6671	End	7059
GI	none	Score	62
Exons	6671..6871, 6671..6880, 6672..6881, 6873..7058, 6894..6920, 6895..7059		

Seq. No.	5852	Seq. ID	OJ991103_02.0126.C1
Gene No.	12379	Strand	+
Start	2526	End	9295
Name	OJ991103_02.0126.C1.o2.gs	Method	GENSCAN
Start	2526	End	9086
GI	none	Score	.95
Exons	2526..2720, 3124..3291, 3385..3474, 3855..3991, 4070..4160, 4301..4383, 4465..4571, 5363..5515, 6902..6980, 7072..7180, 7368..7454, 8368..8427, 8772..8890, 8993..9086		

Seq. No.	5852	Seq. ID	OJ991103_02.0126.C1
Gene No.	12379	Strand	+
Start	2526	End	9295
Name	OJ991103_02.0126.C1.o2.np	Method	AAT/NAP
Start	2535	End	9295
GI	6598445	Score	1044
Exons	2535..2744, 3124..3291, 3855..3991, 4070..4177, 4252..4420, 4466..4571, 5363..5543, 7069..7180, 8368..8427, 8772..8890, 8993..9295		
GI Descrip.	(AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	5852	Seq. ID	OJ991103_02.0126.C1
Gene No.	12380	Strand	-
Start	1	End	2113
Name	OJ991103_02.0126.C1.o1.np	Method	AAT/NAP
Start	1	End	2113
GI	3850583	Score	166
Exons	1..180, 657..778, 1933..2113		
GI Descrip.	(AC005278) Contains similarity to transcription initiation factor IIE, alpha subunit gb|X63468 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	5853	Seq. ID	OJ991103_02.0126.C2
Gene No.	12381	Strand	+
Start	574	End	2323
Name	OJ991103_02.0126.C2.o1.ts	Method	TBLASTX:Soybean
Start	571	End	744
GI	none	Score	214
Exons	571..738, 572..739, 573..743, 574..744		

Seq. No.	5853	Seq. ID	OJ991103_02.0126.C2
Gene No.	12381	Strand	+
Start	574	End	2323
Name	OJ991103_02.0126.C2.o1.gs	Method	GENSCAN
Start	574	End	2118
GI	none	Score	.99
Exons	574..741, 850..1143, 1542..1718, 1855..2118		

Seq. No.	5853	Seq. ID	OJ991103_02.0126.C2
Gene No.	12381	Strand	+
Start	574	End	2323
Name	OJ991103_02.0126.C2.o1.np	Method	AAT/NAP
Start	574	End	2323
GI	6598445	Score	1104
Exons	574..741, 850..1143, 1542..1718, 1855..2144, 2302..2323		
GI Descrip.	(AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	5853	Seq. ID	OJ991103_02.0126.C2
Gene No.	12381	Strand	+
Start	574	End	2323
Name	OJ991103_02.0126.C2.o2.ts	Method	TBLASTX:Soybean
Start	1584	End	2010
GI	none	Score	35
Exons	1584..1640, 1677..1721, 1846..2010, 1853..1984, 1854..2009		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12382	Strand	+
Start	1	End	4585
Name	OJ991103_02.0126.C3.o1.np	Method	AAT/NAP
Start	1	End	3193
GI	6598445	Score	492
Exons	1..189, 537..725, 1400..1526, 1815..1957, 2072..2191, 2292..2351, 3005..3193		
GI Descrip.	(AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12382	Strand	+
Start	1	End	4585
Name	OJ991103_02.0126.C3.o1.gs	Method	GENSCAN
Start	51	End	3217
GI	none	Score	.88
Exons	51..204, 294..404, 558..725, 1400..1526, 1815..1973, 2308..2351, 3005..3217		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12382	Strand	+
Start	1	End	4585
Name	OJ991103_02.0126.C3.o1.gp	Method	AAT/GAP
Start	2134	End	4585

GI	3859_1.R1084	Score	2012
Exons	2134..2191, 2292..2351, 3005..3504, 4039..4585		
GI Descrip.	'3426048 6.0e-26 (AC005168) putative hydroxymethylglutaryl-CoA lyase precursor [Arabidopsis thaliana]'		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12383	Strand	+
Start	10393	End	20932
Name	OJ991103_02.0126.C3.o3.gs	Method	GENSCAN
Start	10393	End	20932
GI	none	Score	.84
Exons	10393..11103, 11405..11460, 12458..12581, 12666..12776, 12900..13037, 13202..13270, 13516..13584, 14466..14519, 14598..14739, 15093..15169, 15209..15323, 15943..16087, 17974..19100, 19486..19735, 19847..19932, 20027..20184, 20674..20809, 20847..20932		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12383	Strand	+
Start	10393	End	20932
Name	OJ991103_02.0126.C3.o4.np	Method	AAT/NAP
Start	10421	End	14745
GI	2230873	Score	272
Exons	10421..11208, 12440..12776, 12900..13037, 13202..13276, 13368..13429, 13717..13777, 14329..14380, 14466..14519, 14598..14745		
GI Descrip.	(X98494) M phase phosphoprotein 10 [Homo sapiens]		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12383	Strand	+
Start	10393	End	20932
Name	OJ991103_02.0126.C3.o6.np	Method	AAT/NAP
Start	18062	End	20737
GI	3377509	Score	1545
Exons	18062..19204, 19461..19735, 19847..19932, 20027..20184, 20275..20351, 20674..20737		
GI Descrip.	(AF056027) auxin transport protein REH1 [Oryza sativa]		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12384	Strand	+
Start	23262	End	27853
Name	OJ991103_02.0126.C3.o4.gs	Method	GENSCAN
Start	23262	End	27853
GI	none	Score	.88
Exons	23262..23396, 23898..24628, 25006..25058, 25183..25247, 25327..25405, 25823..26122, 26956..27122, 27169..27360, 27788..27853		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12384	Strand	+
Start	23262	End	27853
Name	OJ991103_02.0126.C3.o4.gp	Method	AAT/GAP
Start	24135	End	25415
GI	4714793	Score	1251
Exons	24135..24628, 25006..25058, 25183..25247, 25327..25415		
GI Descrip.	6005956/ref|NP_009171.1|pYVH1| 2.0e-15 S. cerevisiae YVH1 protein-tyrosine phosphatase ortholog		

>gi_5764099_gb_AAD51134.1_AF119226_1 (AF119226) dual-specificity tyrosine phosphatase YVH1 [Homo sapiens]

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12384	Strand	+
Start	23262	End	27853
Name	OJ991103_02.0126.C3.o6.gp	Method	AAT/GAP
Start	27058	End	27316
GI	2275895	Score	427
Exons	27058..27316		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12385	Strand	+
Start	33419	End	34443
Name	OJ991103_02.0126.C3.o6.gs	Method	GENSCAN
Start	33419	End	34443
GI	none	Score	.82
Exons	33419..33572, 34241..34443		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12386	Strand	+
Start	38892	End	40163
Name	OJ991103_02.0126.C3.o10.np	Method	AAT/NAP
Start	38892	End	40163
GI	6630695	Score	399
Exons	38892..38983, 39088..39190, 39279..39332, 39412..39474, 39565..39614, 39694..39769, 39960..40163		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12387	Strand	-
Start	1	End	10007
Name	OJ991103_02.0126.C3.o2.np	Method	AAT/NAP
Start	1	End	5454
GI	4539658	Score	51
Exons	1..31, 3502..3660, 5430..5454		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12387	Strand	-
Start	1	End	10007
Name	OJ991103_02.0126.C3.o2.gs	Method	GENSCAN
Start	4336	End	10007
GI	none	Score	.87
Exons	4336..4569, 4687..4802, 5049..5185, 5281..5444, 6104..6283, 6549..6681, 6945..7064, 7536..7588, 7648..7818, 9056..9212, 9259..9323, 9864..10007		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12387	Strand	-
Start	1	End	10007
Name	OJ991103_02.0126.C3.o3.np	Method	AAT/NAP
Start	4345	End	6274
GI	547653	Score	851

Exons	4345..4569, 4687..4802, 5049..5185, 5281..5444, 5582..5662, 6104..6274		
GI Descrip.	HYDROXYMETHYLGLUTARYL-COA LYASE (HMG-COA LYASE) (HL) (3-HYDROXY-3-METHYLGLUTARATE-COA LYASE) gi|482999|pir||B45470 hydroxymethylglutaryl-CoA lyase (EC 4.1.3.4) - chicken		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12387	Strand	-
Start	1	End	10007
Name	OJ991103_02.0126.C3.o2.gp	Method	AAT/GAP
Start	5266	End	6604
GI	uC-osf1M202047h01b1	Score	856
Exons	5266..5444, 5582..5662, 6104..6283, 6549..6604		
GI Descrip.	'3426048 2.0e-43 (AC005168) putative hydroxymethylglutaryl-CoA lyase precursor [Arabidopsis thaliana]'		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12387	Strand	-
Start	1	End	10007
Name	OJ991103_02.0126.C3.o3.gp	Method	AAT/GAP
Start	7168	End	7633
GI	4879942	Score	932
Exons	7168..7633		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12388	Strand	-
Start	17362	End	18787
Name	OJ991103_02.0126.C3.o5.np	Method	AAT/NAP
Start	17362	End	18787
GI	5852084	Score	88
Exons	17362..17445, 18740..18787		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12389	Strand	-
Start	26527	End	26716
Name	OJ991103_02.0126.C3.o5.gp	Method	AAT/GAP
Start	26527	End	26716
GI	4714794	Score	278
Exons	26527..26716		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12390	Strand	-
Start	28620	End	32847
Name	OJ991103_02.0126.C3.o7.gp	Method	AAT/GAP
Start	28620	End	29631
GI	31161_1.R1084	Score	1362
Exons	28620..28965, 29074..29173, 29256..29383, 29477..29631		
GI Descrip.	'639722 8.0e-68 (L27484) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12390	Strand	-
Start	28620	End	32847
Name	OJ991103_02.0126.C3.o7.np	Method	AAT/NAP
Start	28864	End	30750
GI	639722	Score	1983

Exons	28864..28965, 29074..29173, 29256..29383, 29477..29644, 29717..29832, 29967..30750		
GI Descrip.	(L27484) calcium-dependent protein kinase [Zea mays]		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12390	Strand	-
Start	28620	End	32847
Name	OJ991103_02.0126.C3.o8.np	Method	AAT/NAP
Start	30570	End	32847
GI	4929629	Score	237
Exons	30570..30643, 31790..31983, 32090..32328, 32454..32560, 32670..32847		
GI Descrip.	(AF151838) CGI-80 protein [Homo sapiens]		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o4.tc	Method	TBLASTX:Cress
Start	39	End	422
GI	none	Score	160
Exons	39..203, 43..204, 291..422, 293..403		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o8.ts	Method	TBLASTX:Soybean
Start	60	End	662
GI	none	Score	145
Exons	60..203, 61..204, 291..404, 293..415, 555..662		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o13.tm	Method	TBLASTX:Maize
Start	306	End	1906
GI	none	Score	136
Exons	306..404, 307..438, 308..418, 544..732, 548..733, 548..733, 555..758, 1397..1492, 1399..1506, 1401..1526, 1807..1905, 1808..1906, 1820..1906		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o16.tm	Method	TBLASTX:Maize
Start	1955	End	3181
GI	none	Score	37
Exons	1955..1972, 2085..2195, 2086..2163, 2087..2206, 2087..2191, 2130..2198, 2277..2351, 2280..2369, 2985..3176, 2999..3175, 3002..3181		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o9.tm	Method	TBLASTX:Maize
Start	4337	End	4537
GI	none	Score	243
Exons	4337..4528, 4347..4529, 4372..4536, 4373..4537		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o3.tc	Method	TBLASTX:Cress
Start	4372	End	5161
GI	none	Score	212
Exons	4372..4590, 4373..4573, 4512..4580, 4652..4786, 4681..4803, 4684..4803, 4688..4804, 4976..5161, 5047..5160		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o3.ts	Method	TBLASTX:Soybean
Start	4378	End	6289
GI	none	Score	221
Exons	4378..4590, 4379..4567, 4390..4572, 4684..4803, 4691..4804, 4976..5185, 5023..5187, 5043..5198, 5047..5184, 5067..5186, 5271..5366, 5275..5457, 5320..5451, 5582..5659, 6101..6289, 6108..6269		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o7.tm	Method	TBLASTX:Maize
Start	4684	End	6260
GI	none	Score	119
Exons	4684..4803, 4684..4803, 4691..4804, 4694..4804, 4976..5185, 4984..5187, 5047..5184, 5067..5186, 5271..5366, 5275..5445, 5278..5436, 5582..5668, 5582..5659, 5583..5684, 6101..6259, 6102..6260		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o3.tw	Method	TBLASTX:Wheat
Start	5582	End	6286
GI	none	Score	59
Exons	5582..5659, 5583..5684, 6099..6269, 6100..6267, 6101..6286, 6102..6272		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o12.tm	Method	TBLASTX:Maize
Start	10525	End	10716
GI	none	Score	247
Exons	10525..10716, 10545..10631, 10612..10665		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o5.tw	Method	TBLASTX:Wheat
Start	12456	End	12956
GI	none	Score	65
Exons	12456..12521, 12457..12513, 12630..12776, 12646..12777, 12653..12778, 12653..12778, 12654..12779, 12898..12954,		

12898..12954, 12899..12955, 12900..12956

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o14.tm	Method	TBLASTX:Maize
Start	12680	End	12989
GI	none	Score	146
Exons	12680..12781, 12681..12779, 12898..12975, 12898..12963, 12899..12988, 12900..12989		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o9.ts	Method	TBLASTX:Soybean
Start	12731	End	13037
GI	none	Score	67
Exons	12731..12781, 12732..12779, 12899..13036, 12900..13037		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o8.tm	Method	TBLASTX:Maize
Start	14327	End	14739
GI	none	Score	104
Exons	14327..14383, 14329..14382, 14465..14518, 14466..14522, 14595..14672, 14595..14639, 14689..14739		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o2.tc	Method	TBLASTX:Cress
Start	18061	End	20770
GI	none	Score	344
Exons	18061..18435, 18062..18289, 18347..18436, 18466..18588, 18467..18631, 18512..18631, 18752..18898, 18775..18867, 18961..19023, 18965..19024, 19500..19565, 19605..19736, 19607..19738, 19607..19750, 19842..19949, 19844..19939, 20025..20177, 20026..20190, 20272..20352, 20274..20351, 20657..20770, 20674..20745		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o3.tm	Method	TBLASTX:Maize
Start	18061	End	18400
GI	none	Score	425
Exons	18061..18399, 18062..18400		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o4.ts	Method	TBLASTX:Soybean
Start	18065	End	18436
GI	none	Score	363
Exons	18065..18436, 18088..18435		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o15.tm	Method	TBLASTX:Maize
Start	18401	End	18634
GI	none	Score	55
Exons	18401..18436, 18402..18434, 18403..18435, 18466..18588, 18467..18631, 18512..18634		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o7.ts	Method	TBLASTX:Soybean
Start	18466	End	18631
GI	none	Score	245
Exons	18466..18591, 18467..18631, 18512..18625		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o2.ts	Method	TBLASTX:Soybean
Start	18980	End	20740
GI	none	Score	75
Exons	18980..19024, 19500..19523, 19575..19736, 19592..19729, 19598..19738, 19812..19949, 19841..19948, 19941..20183, 20026..20190, 20187..20327, 20271..20348, 20272..20349, 20657..20740		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o6.tm	Method	TBLASTX:Maize
Start	19613	End	20103
GI	none	Score	206
Exons	19613..19735, 19614..19736, 19616..19738, 19812..19949, 19844..19939, 20025..20102, 20026..20103		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o6.tw	Method	TBLASTX:Wheat
Start	19637	End	20328
GI	none	Score	87
Exons	19637..19723, 19647..19736, 19650..19727, 20023..20190, 20025..20180, 20272..20328		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o17.tm	Method	TBLASTX:Maize
Start	20104	End	20737
GI	none	Score	106
Exons	20104..20190, 20109..20180, 20272..20349, 20274..20348, 20660..20737		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-

Start	37518	End	40162
Name	OJ991103_02.0126.C3.o2.tm	Method	TBLASTX:Maize
Start	24191	End	25078
GI	none	Score	81
Exons	24191..24244, 24192..24257, 24299..24628, 24306..24626, 24533..24628, 24544..24633, 25004..25078, 25007..25057		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o6.ts	Method	TBLASTX:Soybean
Start	24210	End	26473
GI	none	Score	46
Exons	24210..24257, 24302..24376, 24306..24377, 24429..24626, 24489..24623, 24494..24628, 25004..25078, 25176..25256, 25320..25403, 25324..25398, 25933..26052, 25938..26090, 26065..26115, 26266..26421, 26306..26473, 26306..26461		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o10.tm	Method	TBLASTX:Maize
Start	25863	End	26395
GI	none	Score	37
Exons	25863..25886, 25864..25902, 25897..26121, 25940..26035, 25945..26037, 25947..26120, 26066..26122, 26304..26393, 26304..26393, 26305..26394, 26306..26395		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o1.tc	Method	TBLASTX:Cress
Start	28915	End	30772
GI	none	Score	75
Exons	28915..28965, 29077..29172, 29255..29383, 29261..29383, 29477..29629, 29592..29651, 29714..29833, 29720..29833, 29965..30771, 29969..30772		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o4.tw	Method	TBLASTX:Wheat
Start	28915	End	29566
GI	none	Score	42
Exons	28915..28965, 29111..29173, 29230..29355, 29238..29369, 29245..29400, 29255..29383, 29453..29566		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o5.tm	Method	TBLASTX:Maize
Start	28918	End	29383
GI	none	Score	53
Exons	28918..28968, 28918..28965, 29072..29173, 29074..29172, 29255..29383, 29258..29380		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3

Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o1.ts	Method	TBLASTX:Soybean
Start	29255	End	30765
GI	none	Score	394
Exons	29255..29383, 29477..29629, 29714..29815, 29813..29833, 29968..30765, 29999..30577, 30641..30748		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o1.tm	Method	TBLASTX:Maize
Start	29472	End	30793
GI	none	Score	106
Exons	29472..29642, 29474..29638, 29714..29854, 29715..29828, 29717..29833, 29959..30459, 29965..30771, 29996..30793		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o1.tw	Method	TBLASTX:Wheat
Start	29968	End	30318
GI	none	Score	225
Exons	29968..30318, 29981..30292		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o2.tw	Method	TBLASTX:Wheat
Start	30322	End	30600
GI	none	Score	265
Exons	30322..30600, 30323..30577		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o10.ts	Method	TBLASTX:Soybean
Start	31791	End	32109
GI	none	Score	118
Exons	31791..31991, 31810..31986, 31815..31991, 32086..32109		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o11.tm	Method	TBLASTX:Maize
Start	32117	End	32329
GI	none	Score	210
Exons	32117..32302, 32125..32307, 32126..32329, 32136..32327		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o5.ts	Method	TBLASTX:Soybean
Start	33420	End	40162
GI	none	Score	45
Exons	33420..33464, 33464..33523, 33521..33565, 38234..38281, 38702..38764, 38877..38981, 38879..38974, 39092..39190,		

39097..39183, 39273..39323, 39278..39334, 39412..39474,
39412..39474, 39692..39769, 40070..40162

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o7.gs	Method	GENSCAN
Start	37518	End	37687
GI	none	Score	.54
Exons	37518..37551, 37677..37687		

Seq. No.	5854	Seq. ID	OJ991103_02.0126.C3
Gene No.	12391	Strand	-
Start	37518	End	40162
Name	OJ991103_02.0126.C3.o4.tm	Method	TBLASTX:Maize
Start	38744	End	40159
GI	none	Score	36
Exons	38744..38779, 38877..38981, 38879..38962, 39085..39189, 39092..39190, 39273..39320, 39412..39474, 39433..39474, 39553..39618, 39561..39614, 39686..39820, 39691..39807, 39936..39980, 40082..40159		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12392	Strand	+
Start	1295	End	6912
Name	OJ991103_02.0126.C5.o2.np	Method	AAT/NAP
Start	1295	End	6912
GI	6063554	Score	167
Exons	1295..1338, 5179..5420, 6075..6106, 6743..6912		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12392	Strand	+
Start	1295	End	6912
Name	OJ991103_02.0126.C5.o1.gp	Method	AAT/GAP
Start	1304	End	1384
GI	5867_1.R1084	Score	107
Exons	1304..1384		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12392	Strand	+
Start	1295	End	6912
Name	OJ991103_02.0126.C5.o2.gs	Method	GENSCAN
Start	2692	End	3316
GI	none	Score	.97
Exons	2692..2781, 3089..3168, 3238..3316		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5

Gene No.	12393	Strand	+
Start	13963	End	15579
Name	OJ991103_02.0126.C5.o5.gs	Method	GENSCAN
Start	13963	End	15579
GI	none	Score	.8
Exons	13963..14074, 14333..14550, 15466..15579		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12394	Strand	+
Start	17691	End	17899
Name	OJ991103_02.0126.C5.o3.gp	Method	AAT/GAP
Start	17691	End	17899
GI	426546	Score	341
Exons	17691..17899		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12395	Strand	+
Start	23608	End	23747
Name	OJ991103_02.0126.C5.o4.np	Method	AAT/NAP
Start	23608	End	23747
GI	6630695	Score	104
Exons	23608..23747		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12396	Strand	-
Start	1	End	12662
Name	OJ991103_02.0126.C5.o1.np	Method	AAT/NAP
Start	1	End	8206
GI	3649772	Score	73
Exons	1..42, 865..1069, 1313..1384, 8166..8206		
GI Descrip.	(Z98547) predicted using hexExon; MAL3P3.18 (PFC0425w), Hypothetical protein, len: 4551 aa [Plasmodium falciparum]		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12396	Strand	-
Start	1	End	12662
Name	OJ991103_02.0126.C5.o1.gs	Method	GENSCAN
Start	302	End	1016
GI	none	Score	.96
Exons	302..566, 865..1016		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12396	Strand	-
Start	1	End	12662
Name	OJ991103_02.0126.C5.o3.gs	Method	GENSCAN
Start	5161	End	6729
GI	none	Score	.65
Exons	5161..5227, 5232..5327, 5347..5703, 6611..6729		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12396	Strand	-
Start	1	End	12662
Name	OJ991103_02.0126.C5.o3.np	Method	AAT/NAP
Start	5270	End	12318

GI	6552743	Score	369
Exons	5270..5363, 8186..8318, 8481..8632, 8744..8907, 9019..9282, 9529..9651, 9787..9852, 12134..12318		
GI Descrip.	(AC013482) T26F17.11 [Arabidopsis thaliana]		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12396	Strand	-
Start	1	End	12662
Name	OJ991103_02.0126.C5.o2.gp	Method	AAT/GAP
Start	7304	End	7576
GI	61605_1.R1084	Score	442
Exons	7304..7576		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12396	Strand	-
Start	1	End	12662
Name	OJ991103_02.0126.C5.o4.gs	Method	GENSCAN
Start	8111	End	12662
GI	none	Score	.75
Exons	8111..8318, 8624..8700, 8744..8902, 9624..9651, 12134..12387, 12591..12662		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12397	Strand	-
Start	16787	End	18139
Name	OJ991103_02.0126.C5.o6.gs	Method	GENSCAN
Start	16787	End	18139
GI	none	Score	.83
Exons	16787..17110, 17747..17991, 18040..18139		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12398	Strand	-
Start	18951	End	23694
Name	OJ991103_02.0126.C5.o1.tm	Method	TBLASTX:Maize
Start	8481	End	8902
GI	none	Score	180
Exons	8481..8633, 8481..8633, 8483..8659, 8483..8641, 8751..8831, 8752..8808, 8753..8824, 8755..8832, 8801..8830, 8832..8900, 8835..8894, 8840..8902		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12398	Strand	-
Start	18951	End	23694
Name	OJ991103_02.0126.C5.o1.tc	Method	TBLASTX:Cress
Start	14448	End	23694
GI	none	Score	80
Exons	14448..14549, 17899..17997, 17900..18016, 21110..21247, 23250..23321, 23439..23513, 23450..23524, 23589..23690, 23593..23694		

Seq. No.	5855	Seq. ID	OJ991103_02.0126.C5
Gene No.	12398	Strand	-
Start	18951	End	23694
Name	OJ991103_02.0126.C5.o7.gs	Method	GENSCAN
Start	18951	End	23690

GI	none	Score	.88
Exons	18951..19041, 20811..21080, 23590..23690		

Seq. No.	5856	Seq. ID	OJ991103_02.0126.C6
Gene No.	12399	Strand	+
Start	1	End	876
Name	OJ991103_02.0126.C6.o1.np	Method	AAT/NAP
Start	1	End	876
GI	6630695	Score	201
Exons	1..90, 176..251, 656..876		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5856	Seq. ID	OJ991103_02.0126.C6
Gene No.	12399	Strand	+
Start	1	End	876
Name	OJ991103_02.0126.C6.o1.gp	Method	AAT/GAP
Start	660	End	876
GI	426600	Score	373
Exons	660..876		

Seq. No.	5856	Seq. ID	OJ991103_02.0126.C6
Gene No.	12399	Strand	+
Start	1	End	876
Name	OJ991103_02.0126.C6.o1.tm	Method	TBLASTX:Maize
Start	662	End	862
GI	none	Score	264
Exons	662..862, 666..857		

Seq. No.	5857	Seq. ID	OJ991103_02.0126.C8
Gene No.	12400	Strand	+
Start	1	End	153
Name	OJ991103_02.0126.C8.o1.gp	Method	AAT/GAP
Start	1	End	153
GI	3763837	Score	273
Exons	1..153		
GI Descrip.	730580/sp|P41095|RLA0_ORYSA 1.0e-13 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]		

Seq. No.	5858	Seq. ID	OJ991103_02.0126.C9
Gene No.	12401	Strand	+
Start	1	End	926
Name	OJ991103_02.0126.C9.o1.np	Method	AAT/NAP
Start	1	End	845
GI	6498423	Score	151
Exons	1..174, 577..662, 746..845		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	5858	Seq. ID	OJ991103_02.0126.C9
Gene No.	12401	Strand	+
Start	1	End	926
Name	OJ991103_02.0126.C9.o1.gs	Method	GENSCAN
Start	577	End	926
GI	none	Score	.46
Exons	577..662, 746..926		

Seq. No.	5858	Seq. ID	OJ991103_02.0126.C9
Gene No.	12402	Strand	-
Start	1333	End	1430
Name	OJ991103_02.0126.C9.o1.tm	Method	TBLASTX:Maize
Start	131	End	1430
GI	none	Score	73
Exons	131..181, 132..194, 573..716, 575..661, 576..662, 745..861, 746..862, 1205..1261, 1206..1250, 1297..1422, 1320..1430, 1333..1422		

Seq. No.	5858	Seq. ID	OJ991103_02.0126.C9
Gene No.	12402	Strand	-
Start	1333	End	1430
Name	OJ991103_02.0126.C9.o1.gp	Method	AAT/GAP
Start	1333	End	1423
GI	LIB3433-057-P1-K1-F3	Score	131
Exons	1333..1423		
GI Descrip.	'730580/sp|P41095|RLA0_ORYSA 1.0e-13 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]'		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.gs	Method	GENSCAN
Start	215	End	4934
GI	none	Score	.66
Exons	215..264, 500..528, 2505..2992, 3075..3143, 3823..3921, 4001..4393, 4791..4934		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.gp	Method	AAT/GAP
Start	221	End	751
GI	LIB3433-057-P1-K1-F3	Score	701
Exons	221..264, 416..751		
GI Descrip.	'730580/sp|P41095|RLA0_ORYSA 1.0e-13 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]'		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o2.gp	Method	AAT/GAP
Start	691	End	926
GI	3760950	Score	290
Exons	691..926		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o3.gp	Method	AAT/GAP
Start	2688	End	3878
GI	738_4.R1084	Score	789
Exons	2688..2992, 3075..3143, 3823..3878		

GI Descrip. '730580/sp|P41095|RLA0_ORYSA 1.0e-13 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]'

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o2.tw	Method	TBLASTX:Wheat
Start	2699	End	2997
GI	none	Score	389
Exons	2699..2974, 2743..2997		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.tc	Method	TBLASTX:Cress
Start	2708	End	4398
GI	none	Score	300
Exons	2708..2971, 2749..2988, 3074..3145, 3075..3146, 3820..3927, 3862..3924, 3991..4395, 3998..4393, 4000..4398		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.tm	Method	TBLASTX:Maize
Start	2729	End	4395
GI	none	Score	351
Exons	2729..2968, 2743..2997, 3065..3145, 3075..3146, 3820..3927, 3862..3924, 3991..4395, 3998..4393, 4000..4395		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.ts	Method	TBLASTX:Soybean
Start	2732	End	4395
GI	none	Score	62
Exons	2732..2779, 2749..2784, 2783..2971, 2785..2997, 3065..3145, 3075..3146, 3820..3927, 3862..3927, 3991..4395, 3998..4393, 4000..4395		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.np	Method	AAT/NAP
Start	2735	End	4931
GI	730580	Score	1433
Exons	2735..2992, 3075..3143, 3823..3921, 4001..4393, 4791..4931		
GI Descrip.	60S ACIDIC RIBOSOMAL PROTEIN P0 gi|455401|dbj|BAA04668| (D21130) acidic ribosomal protein P0 [Oryza sativa]		

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o1.tw	Method	TBLASTX:Wheat
Start	3820	End	4288
GI	none	Score	97
Exons	3820..3927, 3862..3924, 3884..3928, 3990..4277, 3991..4284,		

3991..4287, 3998..4288

Seq. No.	5859	Seq. ID	OJ991103_02.0126.C10
Gene No.	12403	Strand	+
Start	215	End	5017
Name	OJ991103_02.0126.C10.o4.gp	Method	AAT/GAP
Start	4126	End	5017
GI	3763837	Score	850
Exons	4126..4393, 4791..5017		
GI Descrip.	730580/sp|P41095|RLA0_ORYSA 1.0e-13 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]		

Seq. No.	5860	Seq. ID	OJ991103_02.0126.C11
Gene No.	12404	Strand	+
Start	133	End	1161
Name	OJ991103_02.0126.C11.o1.gs	Method	GENSCAN
Start	133	End	1001
GI	none	Score	.68
Exons	133..388, 489..658, 850..1001		

Seq. No.	5860	Seq. ID	OJ991103_02.0126.C11
Gene No.	12404	Strand	+
Start	133	End	1161
Name	OJ991103_02.0126.C11.o1.np	Method	AAT/NAP
Start	238	End	1161
GI	6598445	Score	479
Exons	238..391, 489..658, 742..1161		
GI Descrip.	(AC005168) unknown protein [Arabidopsis thaliana]		

Seq. No.	5860	Seq. ID	OJ991103_02.0126.C11
Gene No.	12404	Strand	+
Start	133	End	1161
Name	OJ991103_02.0126.C11.o1.ts	Method	TBLASTX:Soybean
Start	928	End	1088
GI	none	Score	206
Exons	928..1086, 1002..1088		

Seq. No.	5861	Seq. ID	OJ991103_02.0126.C12
Gene No.	12405	Strand	-
Start	1	End	153
Name	OJ991103_02.0126.C12.o1.np	Method	AAT/NAP
Start	1	End	153
GI	6630695	Score	64
Exons	1..153		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5862	Seq. ID	OJ991013_01.0126.C2
Gene No.	12406	Strand	-
Start	1708	End	4016
Name	OJ991013_01.0126.C2.o1.gs	Method	GENSCAN
Start	1708	End	4016
GI	none	Score	.63
Exons	1708..1804, 2516..2599, 2940..3227, 3377..3444, 3467..3584, 3904..4016		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12407	Strand	+
Start	1	End	2186
Name	OJ991013_01.0126.C3.o1.np	Method	AAT/NAP
Start	1	End	2132
GI	6735365	Score	1060
Exons	1..203, 318..383, 483..571, 664..754, 853..999, 1099..1191, 1317..1484, 1576..2132		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12407	Strand	+
Start	1	End	2186
Name	OJ991013_01.0126.C3.o1.gs	Method	GENSCAN
Start	54	End	2186
GI	none	Score	.98
Exons	54..203, 318..383, 483..571, 664..754, 853..999, 1099..1191, 1317..1418, 1563..2186		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12408	Strand	+
Start	5831	End	7289
Name	OJ991013_01.0126.C3.o3.np	Method	AAT/NAP
Start	5831	End	7289
GI	6815562	Score	43
Exons	5831..5854, 7221..7289		
GI Descrip.	(AF184380) gag protein [Human immunodeficiency virus type 1]		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o1.tc	Method	TBLASTX:Cress
Start	2	End	700
GI	none	Score	212
Exons	2..205, 3..206, 315..386, 317..382, 484..573, 486..572, 665..700		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2027
GI	none	Score	260
Exons	2..205, 3..206, 315..386, 317..382, 484..573, 486..572, 665..700, 704..754, 706..753, 841..930, 942..992, 949..999, 954..995, 1083..1172, 1096..1209, 1104..1181, 1307..1414, 1307..1417, 1314..1418, 1923..2027		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o3.tm	Method	TBLASTX:Maize
Start	2	End	775
GI	none	Score	178
Exons	2..205, 3..206, 86..217, 315..386, 317..382, 482..577, 486..572, 704..775		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o1.tw	Method	TBLASTX:Wheat
Start	338	End	888
GI	none	Score	51
Exons	338..379, 339..386, 482..610, 841..888	486..572, 664..753, 665..754,	

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o4.tm	Method	TBLASTX:Maize
Start	846	End	1418
GI	none	Score	67
Exons	846..911, 850..933, 913..999, 1307..1417, 1314..1418	945..995, 1095..1187, 1096..1209,	

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o2.tc	Method	TBLASTX:Cress
Start	952	End	1424
GI	none	Score	66
Exons	952..999, 1096..1209, 1098..1190, 1307..1417, 1314..1424		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o5.tm	Method	TBLASTX:Maize
Start	1853	End	2032
GI	none	Score	276
Exons	1853..2032, 1854..2027		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o3.tw	Method	TBLASTX:Wheat
Start	1856	End	2015
GI	none	Score	177
Exons	1856..1975, 1857..2015		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o2.np	Method	AAT/NAP
Start	3678	End	6422
GI	4586105	Score	447
Exons	3678..3858, 4314..4531, 4647..4883, 5292..5396, 6365..6422		
GI Descrip.	(AL049638) putative protein [Arabidopsis thaliana]		

Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o1.tm	Method	TBLASTX:Maize
Start	4316	End	4883
GI	none	Score	144

Exons	4316..4546, 4335..4538, 4633..4695, 4647..4883, 4692..4799		
Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o3.tc	Method	TBLASTX:Cress
Start	4316	End	4537
GI	none	Score	82
Exons	4316..4537, 4335..4529		
Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o2.ts	Method	TBLASTX:Soybean
Start	4388	End	4757
GI	none	Score	142
Exons	4388..4528, 4389..4529, 4416..4538, 4647..4754, 4647..4757		
Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o2.tw	Method	TBLASTX:Wheat
Start	4848	End	8465
GI	none	Score	241
Exons	4848..4949, 8142..8465, 8294..8464, 8361..8465		
Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o6.tm	Method	TBLASTX:Maize
Start	6397	End	6713
GI	none	Score	49
Exons	6397..6465, 6408..6479, 6419..6484, 6493..6705, 6504..6713, 6522..6713		
Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o2.tm	Method	TBLASTX:Maize
Start	7781	End	8234
GI	none	Score	93
Exons	7781..7840, 7782..7853, 7874..8113, 7884..8117, 7918..8118, 7929..8132, 8145..8234, 8154..8234		
Seq. No.	5863	Seq. ID	OJ991013_01.0126.C3
Gene No.	12409	Strand	-
Start	3678	End	8465
Name	OJ991013_01.0126.C3.o3.ts	Method	TBLASTX:Soybean
Start	8121	End	8465
GI	none	Score	46
Exons	8121..8171, 8175..8465, 8184..8435, 8333..8464		
Seq. No.	5864	Seq. ID	OJ991013_01.0126.C5
Gene No.	12410	Strand	+
Start	373	End	518
Name	OJ991013_01.0126.C5.o1.gs	Method	GENSCAN
Start	373	End	518

GI	none	Score	.74
Exons	373..518		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12411	Strand	+
Start	1	End	3453
Name	OJ991013_01.0126.C6.o1.np	Method	AAT/NAP
Start	1	End	409
GI	4335768	Score	227
Exons	1..46, 107..183, 268..409		
GI Descrip.	(AC006284) putative Golgi-associated membrane trafficking protein [Arabidopsis thaliana]		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12411	Strand	+
Start	1	End	3453
Name	OJ991013_01.0126.C6.o1.gs	Method	GENSCAN
Start	110	End	3453
GI	none	Score	.42
Exons	110..183, 686..704, 3403..3453		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o2.tc	Method	TBLASTX:Cress
Start	104	End	405
GI	none	Score	92
Exons	104..184, 154..183, 259..405, 266..376		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o2.tm	Method	TBLASTX:Maize
Start	107	End	405
GI	none	Score	109
Exons	107..184, 259..405, 266..376		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o3.ts	Method	TBLASTX:Soybean
Start	107	End	435
GI	none	Score	109
Exons	107..184, 259..435, 266..376, 270..410		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o1.tm	Method	TBLASTX:Maize
Start	5456	End	6214
GI	none	Score	185
Exons	5456..5605, 5470..5991, 5489..5968, 5989..6213, 5990..6214		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o1.ts	Method	TBLASTX:Soybean

Start	5456	End	7660
GI	none	Score	483
Exons	5456..5977, 5470..5976, 5983..6219, 5984..6214, 7501..7647, 7508..7660		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o1.tw	Method	TBLASTX:Wheat
Start	5456	End	5929
GI	none	Score	429
Exons	5456..5929, 5461..5928		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o2.np	Method	AAT/NAP
Start	5525	End	7820
GI	5420387	Score	227
Exons	5525..6093, 7591..7820		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o1.tc	Method	TBLASTX:Cress
Start	5894	End	6145
GI	none	Score	69
Exons	5894..5968, 5990..6145, 6004..6141		

Seq. No.	5865	Seq. ID	OJ991013_01.0126.C6
Gene No.	12412	Strand	+
Start	5525	End	7974
Name	OJ991013_01.0126.C6.o2.ts	Method	TBLASTX:Soybean
Start	7666	End	7974
GI	none	Score	167
Exons	7666..7854, 7667..7858, 7862..7972, 7864..7974		

Seq. No.	5866	Seq. ID	OJ991013_01.0126.C7
Gene No.	12413	Strand	-
Start	11	End	639
Name	OJ991013_01.0126.C7.o1.gs	Method	GENSCAN
Start	11	End	639
GI	none	Score	.52
Exons	11..223, 474..639		

Seq. No.	5867	Seq. ID	OJ991013_01.0126.C8
Gene No.	12414	Strand	-
Start	202	End	492
Name	OJ991013_01.0126.C8.o1.gs	Method	GENSCAN
Start	202	End	492
GI	none	Score	.42
Exons	202..492		

Seq. No.	5868	Seq. ID	OJ991013_01.0126.C9
Gene No.	12415	Strand	-
Start	61	End	2227

Name	OJ991013_01.0126.C9.o1.gs	Method	GENSCAN
Start	61	End	2227
GI	none	Score	.54
Exons	61..218, 826..1042, 2222..2227		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12416	Strand	+
Start	644	End	2872
Name	OJ991013_01.0126.C10.o1.gs	Method	GENSCAN
Start	644	End	2589
GI	none	Score	.75
Exons	644..789, 1322..1417, 2248..2382, 2464..2589		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12416	Strand	+
Start	644	End	2872
Name	OJ991013_01.0126.C10.o1.np	Method	AAT/NAP
Start	647	End	2872
GI	6572475	Score	495
Exons	647..789, 1340..1417, 1981..2144, 2254..2407, 2464..2623, 2848..2872		
GI Descrip.	(AF099940) Serine/arginine-rich protein [Arabidopsis thaliana]		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12416	Strand	+
Start	644	End	2872
Name	OJ991013_01.0126.C10.o2.gp	Method	AAT/GAP
Start	1584	End	1985
GI	none	Score	747
Exons	1584..1985		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12416	Strand	+
Start	644	End	2872
Name	OJ991013_01.0126.C10.o3.gp	Method	AAT/GAP
Start	2105	End	2706
GI	4879390	Score	716
Exons	2105..2144, 2248..2382, 2464..2706		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12417	Strand	-
Start	635	End	1588
Name	OJ991013_01.0126.C10.o1.gp	Method	AAT/GAP
Start	635	End	1588
GI	2311461	Score	403
Exons	635..787, 1338..1431, 1512..1588		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12417	Strand	-
Start	635	End	1588
Name	OJ991013_01.0126.C10.o2.tm	Method	TBLASTX:Maize
Start	636	End	1547
GI	none	Score	105
Exons	636..737, 637..738, 644..745, 734..790, 742..777, 746..790, 1331..1492, 1338..1547, 1338..1517		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10

Gene No.	12418	Strand	
Start	1638	End	2270
Name	OJ991013_01.0126.C10.o1.tm	Method	TBLASTX:Maize
Start	1638	End	2270
GI	none	Score	546
Exons	1638..2003, 1638..2003, 1640..2005, 1640..2008, 2003..2143, 2004..2144, 2004..2144, 2005..2145, 2247..2270		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12418	Strand	
Start	1638	End	2270
Name	OJ991013_01.0126.C10.o1.tc	Method	TBLASTX:Cress
Start	1978	End	2145
GI	none	Score	51
Exons	1978..2001, 1979..2014, 1990..2139, 2005..2145, 2046..2144		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12418	Strand	
Start	1638	End	2270
Name	OJ991013_01.0126.C10.o1.ts	Method	TBLASTX:Soybean
Start	1979	End	2136
GI	none	Score	49
Exons	1979..2005, 1979..2125, 2005..2136, 2007..2135		

Seq. No.	5869	Seq. ID	OJ991013_01.0126.C10
Gene No.	12418	Strand	
Start	1638	End	2270
Name	OJ991013_01.0126.C10.o1.tw	Method	TBLASTX:Wheat
Start	1996	End	2139
GI	none	Score	185
Exons	1996..2139, 2005..2136		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.gp	Method	AAT/GAP
Start	519	End	795
GI	none	Score	499
Exons	519..795		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.gs	Method	GENSCAN
Start	555	End	932
GI	none	Score	.73
Exons	555..932		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.np	Method	AAT/NAP
Start	555	End	2278
GI	4056477	Score	578
Exons	555..902, 1395..1495, 1830..2111, 2216..2278		
GI Descrip.	(AC005896) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.tc	Method	TBLASTX:Cress
Start	809	End	2281
GI	none	Score	121
Exons	809..907, 810..905, 1386..1436, 1394..1438, 1437..1514, 1438..1497, 1832..1891, 1836..1892, 1907..2113, 1908..2111, 1919..2089, 1920..2108, 1932..2108, 2170..2268, 2216..2281		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.ts	Method	TBLASTX:Soybean
Start	809	End	2269
GI	none	Score	124
Exons	809..907, 810..905, 1386..1436, 1389..1496, 1392..1436, 1394..1438, 1406..1495, 1438..1497, 1832..1873, 1833..1997, 1902..1994, 1917..1994, 1919..2089, 1920..2108, 1992..2108, 1992..2093, 2216..2269		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.tm	Method	TBLASTX:Maize
Start	1392	End	2299
GI	none	Score	59
Exons	1392..1436, 1818..1907, 1832..1891, 1866..2111, 1885..1974, 1902..2111, 2026..2115, 2034..2090, 2203..2286, 2216..2287, 2216..2299, 2221..2289		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o1.tw	Method	TBLASTX:Wheat
Start	1392	End	2260
GI	none	Score	54
Exons	1392..1436, 1920..2108, 1928..2107, 2213..2260		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o2.gs	Method	GENSCAN
Start	1445	End	2281
GI	none	Score	.66
Exons	1445..1495, 1830..2111, 2216..2281		

Seq. No.	5870	Seq. ID	OJ991013_01.0126.C14
Gene No.	12419	Strand	+
Start	519	End	2457
Name	OJ991013_01.0126.C14.o2.gp	Method	AAT/GAP
Start	2018	End	2457
GI	43801_1.R1084	Score	597
Exons	2018..2111, 2216..2457		
GI Descrip.	'4056477 1.0e-16 (AC005896) putative RNA binding protein [Arabidopsis thaliana]'		

Seq. No.	5871	Seq. ID	OJ991013_01.0126.C15
Gene No.	12420	Strand	+
Start	148	End	621
Name	OJ991013_01.0126.C15.o1.gp	Method	AAT/GAP
Start	148	End	621
GI	48882_1.R1084	Score	903
Exons	148..621		
GI Descrip.	'5091597/gb|AC007858.1|10A19I 7.0e-31 Oryza sativa chromosome 1 BAC 10A19I, complete sequence'		

Seq. No.	5871	Seq. ID	OJ991013_01.0126.C15
Gene No.	12421	Strand	-
Start	103	End	611
Name	OJ991013_01.0126.C15.o1.gs	Method	GENSCAN
Start	103	End	611
GI	none	Score	.65
Exons	103..420, 525..611		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12422	Strand	+
Start	1439	End	2719
Name	OJ991013_01.0126.C18.o1.gs	Method	GENSCAN
Start	1439	End	2719
GI	none	Score	.61
Exons	1439..2719		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12423	Strand	+
Start	8797	End	10498
Name	OJ991013_01.0126.C18.o4.gs	Method	GENSCAN
Start	8797	End	10498
GI	none	Score	.51
Exons	8797..8858, 9831..9970, 10027..10259, 10286..10498		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12424	Strand	+
Start	14396	End	16546
Name	OJ991013_01.0126.C18.o6.gs	Method	GENSCAN
Start	14396	End	16546
GI	none	Score	.77
Exons	14396..14551, 14617..15537, 16233..16260, 16422..16546		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12425	Strand	-
Start	3887	End	6475
Name	OJ991013_01.0126.C18.o2.gs	Method	GENSCAN
Start	3887	End	6475
GI	none	Score	.74
Exons	3887..3987, 6025..6475		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12426	Strand	-
Start	6684	End	8154
Name	OJ991013_01.0126.C18.o3.gs	Method	GENSCAN
Start	6684	End	8154
GI	none	Score	.85
Exons	6684..7122, 7169..7398, 8062..8154		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12427	Strand	-
Start	10709	End	14021
Name	OJ991013_01.0126.C18.o5.gs	Method	GENSCAN
Start	10709	End	14021
GI	none	Score	.82
Exons	10709..11498, 11507..12108, 12301..12440, 12478..12621, 12788..12893, 13585..13734, 13932..14021		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12428	Strand	-
Start	18365	End	18554
Name	OJ991013_01.0126.C18.o1.np	Method	AAT/NAP
Start	17039	End	18554
GI	6069646	Score	173
Exons	17039..17264, 18533..18554		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	5872	Seq. ID	OJ991013_01.0126.C18
Gene No.	12428	Strand	-
Start	18365	End	18554
Name	OJ991013_01.0126.C18.o7.gs	Method	GENSCAN
Start	18365	End	18508
GI	none	Score	.98
Exons	18365..18508		

Seq. No.	5873	Seq. ID	OJ991013_01.0126.C19
Gene No.	12429	Strand	-
Start	12	End	440
Name	OJ991013_01.0126.C19.o1.gs	Method	GENSCAN
Start	12	End	440
GI	none	Score	.65
Exons	12..440		

Seq. No.	5874	Seq. ID	OJ991013_01.0126.C20
Gene No.	12430	Strand	-
Start	1	End	1782
Name	OJ991013_01.0126.C20.o1.np	Method	AAT/NAP
Start	1	End	1782
GI	4680184	Score	305
Exons	1..1013, 1141..1782		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5875	Seq. ID	OJ991013_01.0126.C21
Gene No.	12431	Strand	-
Start	1215	End	1769
Name	OJ991013_01.0126.C21.o1.np	Method	AAT/NAP
Start	1215	End	1769
GI	6907088	Score	295
Exons	1215..1456, 1632..1769		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5876	Seq. ID	OJ991013_01.0126.C22
Gene No.	12432	Strand	+
Start	1761	End	3100
Name	OJ991013_01.0126.C22.o2.gs	Method	GENSCAN
Start	1761	End	3100
GI	none	Score	.63
Exons	1761..1967, 1972..2115, 2324..3100		

Seq. No.	5876	Seq. ID	OJ991013_01.0126.C22
Gene No.	12433	Strand	-
Start	1	End	967
Name	OJ991013_01.0126.C22.o1.np	Method	AAT/NAP
Start	1	End	396
GI	4680186	Score	112
Exons	1..93, 234..396		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5876	Seq. ID	OJ991013_01.0126.C22
Gene No.	12433	Strand	-
Start	1	End	967
Name	OJ991013_01.0126.C22.o1.gs	Method	GENSCAN
Start	207	End	967
GI	none	Score	.71
Exons	207..408, 789..967		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12434	Strand	+
Start	1618	End	4855
Name	OJ991013_01.0126.C23.o1.gs	Method	GENSCAN
Start	1618	End	4855
GI	none	Score	.86
Exons	1618..2289, 2370..2535, 3640..3736, 3874..4011, 4089..4185, 4242..4301, 4592..4855		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12435	Strand	+
Start	7219	End	9238
Name	OJ991013_01.0126.C23.o2.gs	Method	GENSCAN
Start	7219	End	9238
GI	none	Score	.48
Exons	7219..7665, 7692..8444, 8554..8576, 8921..9062, 9179..9238		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o3.gs	Method	GENSCAN
Start	11536	End	21363
GI	none	Score	.48
Exons	11536..11633, 11869..11919, 13189..13256, 14195..14268, 14371..14485, 14509..14835, 14938..15291, 16782..16889, 18613..18773, 20700..20770, 21143..21363		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o1.gp	Method	AAT/GAP
Start	14777	End	15131

GI	572445	Score	465
Exons	14777..14835, 14938..15131		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o1.ts	Method	TBLASTX:Soybean
Start	20370	End	21044
GI	none	Score	41
Exons	20370..20411, 20370..20630, 20533..21042, 20697..21044		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o1.tm	Method	TBLASTX:Maize
Start	20400	End	21062
GI	none	Score	65
Exons	20400..20624, 20551..20625, 20656..20964, 20706..21062		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o1.np	Method	AAT/NAP
Start	20420	End	21540
GI	421955	Score	1039
Exons	20420..21540		
GI Descrip.	hypothetical protein 4 - potato transposon Tst1 gi|21434|emb|CAA36616| (X52387) ORF4 [Solanum tuberosum]		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o1.tw	Method	TBLASTX:Wheat
Start	20808	End	21236
GI	none	Score	35
Exons	20808..21053, 20819..20860, 20959..21054, 21075..21236, 21076..21228		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o1.tc	Method	TBLASTX:Cress
Start	21066	End	21386
GI	none	Score	207
Exons	21066..21386		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540
Name	OJ991013_01.0126.C23.o2.ts	Method	TBLASTX:Soybean
Start	21075	End	21251
GI	none	Score	117
Exons	21075..21251, 21106..21249		

Seq. No.	5877	Seq. ID	OJ991013_01.0126.C23
Gene No.	12436	Strand	-
Start	11536	End	21540

Name	OJ991013_01.0126.C23.o2.tm	Method	TBLASTX:Maize
Start	21081	End	21345
GI	none	Score	91
Exons	21081..21344, 21082..21345		

Seq. No.	5878	Seq. ID	OJ991013_01.0126.C26
Gene No.	12437	Strand	+
Start	461	End	642
Name	OJ991013_01.0126.C26.o1.gs	Method	GENSCAN
Start	461	End	642
GI	none	Score	.57
Exons	461..642		

Seq. No.	5878	Seq. ID	OJ991013_01.0126.C26
Gene No.	12438	Strand	+
Start	767	End	2356
Name	OJ991013_01.0126.C26.o1.np	Method	AAT/NAP
Start	767	End	2356
GI	6907088	Score	196
Exons	767..908, 1136..1380, 2018..2356		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5878	Seq. ID	OJ991013_01.0126.C26
Gene No.	12439	Strand	-
Start	1262	End	2204
Name	OJ991013_01.0126.C26.o2.gs	Method	GENSCAN
Start	1262	End	2204
GI	none	Score	.67
Exons	1262..1386, 1707..1814, 2189..2204		

Seq. No.	5879	Seq. ID	OJ991013_01.0126.C27
Gene No.	12440	Strand	+
Start	939	End	1755
Name	OJ991013_01.0126.C27.o1.gs	Method	GENSCAN
Start	939	End	1755
GI	none	Score	.56
Exons	939..1011, 1583..1755		

Seq. No.	5879	Seq. ID	OJ991013_01.0126.C27
Gene No.	12441	Strand	+
Start	4110	End	4641
Name	OJ991013_01.0126.C27.o2.np	Method	AAT/NAP
Start	4110	End	4641
GI	4680186	Score	185
Exons	4110..4272, 4579..4641		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5879	Seq. ID	OJ991013_01.0126.C27
Gene No.	12442	Strand	-
Start	1	End	3361
Name	OJ991013_01.0126.C27.o1.np	Method	AAT/NAP
Start	1	End	3361
GI	4680179	Score	444
Exons	1..40, 2244..3361		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5879	Seq. ID	OJ991013_01.0126.C27

Gene No.	12442	Strand	-
Start	1	End	3361
Name	OJ991013_01.0126.C27.o1.tm	Method	TBLASTX:Maize
Start	2576	End	2872
GI	none	Score	64
Exons	2576..2872, 2697..2843		

Seq. No.	5879	Seq. ID	OJ991013_01.0126.C27
Gene No.	12442	Strand	-
Start	1	End	3361
Name	OJ991013_01.0126.C27.o1.tw	Method	TBLASTX:Wheat
Start	2756	End	3130
GI	none	Score	230
Exons	2756..3130		

Seq. No.	5880	Seq. ID	OJ991013_01.0126.C28
Gene No.	12443	Strand	-
Start	4728	End	5560
Name	OJ991013_01.0126.C28.o2.gs	Method	GENSCAN
Start	4728	End	5560
GI	none	Score	.41
Exons	4728..4866, 5439..5560		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12444	Strand	+
Start	384	End	943
Name	OJ991013_01.0126.C29.o1.gs	Method	GENSCAN
Start	384	End	943
GI	none	Score	.63
Exons	384..477, 636..816, 865..943		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o2.gs	Method	GENSCAN
Start	1247	End	4857
GI	none	Score	.45
Exons	1247..3052, 3308..3683, 3806..3917, 4501..4521, 4719..4857		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o1.np	Method	AAT/NAP
Start	1250	End	5199
GI	4234852	Score	3602
Exons	1250..3169, 3264..4733, 4776..5199		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o5.tm	Method	TBLASTX:Maize
Start	1289	End	1753
GI	none	Score	65
Exons	1289..1486, 1523..1753, 1533..1697		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29

Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o3.tw	Method	TBLASTX:Wheat
Start	1301	End	1768
GI	none	Score	45
Exons	1301..1768, 1302..1415, 1485..1673		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o2.ts	Method	TBLASTX:Soybean
Start	1304	End	1877
GI	none	Score	56
Exons	1304..1480, 1496..1876, 1533..1700, 1794..1877		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o1.tm	Method	TBLASTX:Maize
Start	1766	End	2197
GI	none	Score	133
Exons	1766..2062, 1767..1922, 2036..2197		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o1.tw	Method	TBLASTX:Wheat
Start	1862	End	2642
GI	none	Score	88
Exons	1862..2311, 2025..2156, 2093..2311, 2288..2602, 2297..2641, 2547..2642		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o2.tm	Method	TBLASTX:Maize
Start	2249	End	2642
GI	none	Score	107
Exons	2249..2641, 2334..2486, 2538..2642		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o1.ts	Method	TBLASTX:Soybean
Start	2312	End	2770
GI	5509260	Score	188
Exons	2312..2770, 2334..2723		
GI Descrip.	-		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o1.tc	Method	TBLASTX:Cress
Start	2423	End	2683
GI	none	Score	102
Exons	2423..2683, 2424..2681		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o3.ts	Method	TBLASTX:Soybean
Start	3350	End	3748
GI	none	Score	38
Exons	3350..3523, 3462..3524, 3527..3676, 3527..3748		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o2.tw	Method	TBLASTX:Wheat
Start	3353	End	3999
GI	none	Score	61
Exons	3353..3451, 3428..3745, 3432..3578, 3624..3671, 3776..3847, 3779..3859, 3850..3999, 3851..3928		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o2.tc	Method	TBLASTX:Cress
Start	3356	End	3736
GI	none	Score	99
Exons	3356..3523, 3563..3736		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o3.tm	Method	TBLASTX:Maize
Start	3359	End	3748
GI	none	Score	114
Exons	3359..3421, 3452..3520, 3527..3748, 3534..3737		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o4.ts	Method	TBLASTX:Soybean
Start	3829	End	4185
GI	none	Score	68
Exons	3829..3999, 3892..4185, 4036..4185		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o4.tw	Method	TBLASTX:Wheat
Start	4036	End	4458
GI	none	Score	56
Exons	4036..4218, 4142..4237, 4204..4458		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o6.tm	Method	TBLASTX:Maize
Start	4288	End	4522
GI	none	Score	81
Exons	4288..4521, 4346..4522		

Seq. No.	5881	Seq. ID	OJ991013_01.0126.C29
Gene No.	12445	Strand	-
Start	1247	End	5199
Name	OJ991013_01.0126.C29.o4.tm	Method	TBLASTX:Maize
Start	4636	End	5121
GI	none	Score	108
Exons	4636..4707, 4900..5121, 4942..5121		

Seq. No.	5882	Seq. ID	OJ991013_01.0126.C30
Gene No.	12446	Strand	+
Start	580	End	2039
Name	OJ991013_01.0126.C30.o1.gs	Method	GENSCAN
Start	580	End	2039
GI	none	Score	.74
Exons	580..797, 1076..1119, 1218..1260, 1937..2039		

Seq. No.	5882	Seq. ID	OJ991013_01.0126.C30
Gene No.	12447	Strand	-
Start	1	End	64
Name	OJ991013_01.0126.C30.o1.gp	Method	AAT/GAP
Start	1	End	64
GI	2428590	Score	112
Exons	1..64		

Seq. No.	5883	Seq. ID	OJ991013_01.0126.C31
Gene No.	12448	Strand	+
Start	103	End	1190
Name	OJ991013_01.0126.C31.o1.gs	Method	GENSCAN
Start	103	End	1190
GI	none	Score	.87
Exons	103..285, 334..408, 1175..1190		

Seq. No.	5883	Seq. ID	OJ991013_01.0126.C31
Gene No.	12449	Strand	+
Start	3612	End	5395
Name	OJ991013_01.0126.C31.o2.gs	Method	GENSCAN
Start	3612	End	5395
GI	none	Score	.93
Exons	3612..4575, 5289..5395		

Seq. No.	5883	Seq. ID	OJ991013_01.0126.C31
Gene No.	12450	Strand	-
Start	3448	End	7252
Name	OJ991013_01.0126.C31.o1.np	Method	AAT/NAP
Start	3448	End	7252
GI	6721547	Score	86
Exons	3448..3470, 7153..7252		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	5883	Seq. ID	OJ991013_01.0126.C31
Gene No.	12450	Strand	-
Start	3448	End	7252
Name	OJ991013_01.0126.C31.o1.ts	Method	TBLASTX:Soybean
Start	3789	End	4574
GI	none	Score	102
Exons	3789..3878, 3842..4093, 3933..4136, 4137..4277, 4350..4574, 4352..4450		

Seq. No.	5883	Seq. ID	OJ991013_01.0126.C31
Gene No.	12450	Strand	-
Start	3448	End	7252
Name	OJ991013_01.0126.C31.o1.tw	Method	TBLASTX:Wheat
Start	3789	End	4136
GI	none	Score	231
Exons	3789..4136, 3842..4093		

Seq. No.	5883	Seq. ID	OJ991013_01.0126.C31
Gene No.	12450	Strand	-
Start	3448	End	7252
Name	OJ991013_01.0126.C31.o1.tm	Method	TBLASTX:Maize
Start	4080	End	4415
GI	none	Score	65
Exons	4080..4130, 4146..4277, 4146..4241, 4160..4330, 4340..4414, 4341..4415		

Seq. No.	5884	Seq. ID	OJ991013_01.0126.C32
Gene No.	12451	Strand	+
Start	3761	End	5440
Name	OJ991013_01.0126.C32.o1.ts	Method	TBLASTX:Soybean
Start	2673	End	3164
GI	none	Score	183
Exons	2673..2831, 2677..2832, 2851..2955, 3012..3164, 3013..3111		

Seq. No.	5884	Seq. ID	OJ991013_01.0126.C32
Gene No.	12451	Strand	+
Start	3761	End	5440
Name	OJ991013_01.0126.C32.o1.np	Method	AAT/NAP
Start	3761	End	5440
GI	4115357	Score	706
Exons	3761..5161, 5210..5440		
GI Descrip.	(AC005957) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5884	Seq. ID	OJ991013_01.0126.C32
Gene No.	12451	Strand	+
Start	3761	End	5440
Name	OJ991013_01.0126.C32.o2.ts	Method	TBLASTX:Soybean
Start	4197	End	5428
GI	none	Score	55
Exons	4197..4241, 4199..4270, 4307..4405, 4475..4537, 4601..4672, 4817..4948, 4825..4944, 5192..5428, 5218..5424		

Seq. No.	5885	Seq. ID	OJ991013_01.0126.C33
Gene No.	12452	Strand	+
Start	70	End	212
Name	OJ991013_01.0126.C33.o1.gs	Method	GENSCAN
Start	70	End	212
GI	none	Score	.93
Exons	70..212		

Seq. No.	5886	Seq. ID	OJ991013_01.0126.C37
Gene No.	12453	Strand	+
Start	1	End	5197
Name	OJ991013_01.0126.C37.o1.np	Method	AAT/NAP
Start	1	End	3087

GI	3157949	Score	220
Exons	1..99, 2792..3087		
GI Descrip.	(AC002131) Similar to glucan endo-1,3-beta-D-glucosidase precursor gb|Z28697 from Nicotiana tabacum. ESTs gb|Z18185 and gb|AA605362 come from this gene. [Arabidopsis thaliana]		

Seq. No.	5886	Seq. ID	OJ991013_01.0126.C37
Gene No.	12453	Strand	+
Start	1	End	5197
Name	OJ991013_01.0126.C37.o1.gp	Method	AAT/GAP
Start	2047	End	2405
GI	uC-osrocyp014f09b1	Score	670
Exons	2047..2405		
GI Descrip.	'3157949 6.0e-12 (AC002131) Similar to glucan endo-1,3-beta-D-glucosidase precursor gb_Z28697 from Nicotiana tabacum. ESTs gb_Z18185 and gb_AA605362 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	5886	Seq. ID	OJ991013_01.0126.C37
Gene No.	12453	Strand	+
Start	1	End	5197
Name	OJ991013_01.0126.C37.o1.gs	Method	GENSCAN
Start	2069	End	5197
GI	none	Score	.82
Exons	2069..3031, 3134..3161, 3524..3870, 4958..5061, 5108..5197		

Seq. No.	5886	Seq. ID	OJ991013_01.0126.C37
Gene No.	12454	Strand	-
Start	3667	End	4093
Name	OJ991013_01.0126.C37.o2.gp	Method	AAT/GAP
Start	3667	End	4093
GI	uC-osrocyp014c04a1	Score	847
Exons	3667..4093		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	5886	Seq. ID	OJ991013_01.0126.C37
Gene No.	12455	Strand	-
Start	6317	End	6865
Name	OJ991013_01.0126.C37.o1.tw	Method	TBLASTX:Wheat
Start	2248	End	2414
GI	none	Score	187
Exons	2248..2388, 2250..2399, 2251..2295, 2313..2414		

Seq. No.	5886	Seq. ID	OJ991013_01.0126.C37
Gene No.	12455	Strand	-
Start	6317	End	6865
Name	OJ991013_01.0126.C37.o1.tm	Method	TBLASTX:Maize
Start	2856	End	3649
GI	none	Score	301
Exons	2856..3032, 2857..3033, 3546..3608, 3547..3618, 3622..3642, 3623..3649		

Seq. No.	5886	Seq. ID	OJ991013_01.0126.C37
Gene No.	12455	Strand	-
Start	6317	End	6865
Name	OJ991013_01.0126.C37.o2.gs	Method	GENSCAN

Start	6317	End	6865
GI	none	Score	.67
Exons	6317..6415, 6674..6819, 6831..6865		

Seq. No.	5887	Seq. ID	OJ991013_01.0126.C38
Gene No.	12456	Strand	
Start	825	End	1077
Name	OJ991013_01.0126.C38.o1.tm	Method	TBLASTX:Maize
Start	825	End	1077
GI	none	Score	60
Exons	825..1076, 973..1077		

Seq. No.	5888	Seq. ID	OJ991013_01.0126.C39
Gene No.	12457	Strand	+
Start	1492	End	2061
Name	OJ991013_01.0126.C39.o2.gs	Method	GENSCAN
Start	1492	End	2061
GI	none	Score	.97
Exons	1492..1791, 1825..2061		

Seq. No.	5888	Seq. ID	OJ991013_01.0126.C39
Gene No.	12458	Strand	-
Start	287	End	970
Name	OJ991013_01.0126.C39.o1.gs	Method	GENSCAN
Start	287	End	970
GI	none	Score	.62
Exons	287..492, 587..970		

Seq. No.	5888	Seq. ID	OJ991013_01.0126.C39
Gene No.	12459	Strand	-
Start	3610	End	3805
Name	OJ991013_01.0126.C39.o1.ts	Method	TBLASTX:Soybean
Start	1564	End	2053
GI	none	Score	52
Exons	1564..1716, 1568..1666, 1738..1878, 1742..1819, 1906..2052, 1907..2053		

Seq. No.	5888	Seq. ID	OJ991013_01.0126.C39
Gene No.	12459	Strand	-
Start	3610	End	3805
Name	OJ991013_01.0126.C39.o3.gs	Method	GENSCAN
Start	3610	End	3805
GI	none	Score	.97
Exons	3610..3722, 3778..3805		

Seq. No.	5889	Seq. ID	OJ991013_01.0126.C40
Gene No.	12460	Strand	+
Start	1	End	151
Name	OJ991013_01.0126.C40.o1.gp	Method	AAT/GAP
Start	1	End	151
GI	8022_1.R1084	Score	225
Exons	1..151		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-

Start	39	End	3171
Name	OJ991013_01.0126.C41.o1.gp	Method	AAT/GAP
Start	39	End	3125
GI	4562_1.R1084	Score	2638
Exons	39..388, 470..588, 671..766, 870..977, 1239..1325, 1400..1603, 1694..1753, 2361..2529, 2665..2738, 2851..2954, 3051..3125		
GI Descrip.	'2198851 0.0e+00 (AF007785) cystathionine gamma-synthase [Zea mays]'		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-
Start	39	End	3171
Name	OJ991013_01.0126.C41.o1.tm	Method	TBLASTX:Maize
Start	262	End	3171
GI	none	Score	144
Exons	262..393, 263..403, 267..389, 456..542, 469..612, 470..589, 653..769, 657..773, 668..784, 670..774, 843..983, 858..977, 871..984, 871..981, 872..985, 1239..1328, 1239..1325, 1395..1604, 1397..1621, 1400..1606, 1667..1759, 1668..1754, 1681..1755, 2358..2528, 2358..2549, 2365..2550, 2665..2739, 2665..2739, 2666..2749, 2667..2765, 2667..2771, 2801..2932, 2849..2950, 2850..2951, 2851..2952, 2851..2955, 2989..3159, 3049..3171, 3050..3169		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-
Start	39	End	3171
Name	OJ991013_01.0126.C41.o1.gs	Method	GENSCAN
Start	268	End	3126
GI	none	Score	.79
Exons	268..388, 470..588, 671..766, 870..977, 1239..1325, 1400..1603, 1694..1753, 2361..2566, 2955..3126		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-
Start	39	End	3171
Name	OJ991013_01.0126.C41.o1.ts	Method	TBLASTX:Soybean
Start	268	End	2952
GI	none	Score	110
Exons	268..405, 465..533, 469..612, 470..586, 655..756, 657..761, 668..784, 671..769, 867..977, 868..978, 1239..1325, 1285..1326, 1397..1603, 1398..1604, 1400..1606, 1667..1789, 1691..1789, 2356..2547, 2361..2552, 2667..2771, 2849..2932, 2851..2952		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-
Start	39	End	3171
Name	OJ991013_01.0126.C41.o1.tc	Method	TBLASTX:Cress
Start	268	End	2955
GI	none	Score	120
Exons	268..405, 469..612, 470..586, 666..758, 668..790, 671..775, 867..977, 868..978, 869..982, 1239..1325, 1392..1559, 1397..1621, 1398..1604, 1400..1618, 1667..1789, 2356..2532, 2358..2531, 2665..2775, 2667..2771, 2849..2929, 2851..2955		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-

Start	39	End	3171
Name	OJ991013_01.0126.C41.o1.np	Method	AAT/NAP
Start	271	End	3171
GI	2198851	Score	1770
Exons	271..388, 470..588, 671..766, 870..977, 1239..1325, 1400..1603, 1694..1753, 2361..2529, 2665..2738, 2851..2954, 3051..3171		
GI Descrip.	(AF007785) cystathionine gamma-synthase [Zea mays]		

Seq. No.	5890	Seq. ID	OJ991013_01.0126.C41
Gene No.	12461	Strand	-
Start	39	End	3171
Name	OJ991013_01.0126.C41.o1.tw	Method	TBLASTX:Wheat
Start	1291	End	2738
GI	none	Score	56
Exons	1291..1326, 1293..1325, 1395..1604, 1397..1621, 1400..1606, 1667..1759, 1668..1754, 1693..1755, 2352..2531, 2356..2550, 2358..2549, 2665..2736, 2665..2736, 2667..2738		

Seq. No.	5891	Seq. ID	OJ991013_01.0126.C42
Gene No.	12462	Strand	+
Start	138	End	407
Name	OJ991013_01.0126.C42.o1.gs	Method	GENSCAN
Start	138	End	407
GI	none	Score	.6
Exons	138..242, 294..407		

Seq. No.	5891	Seq. ID	OJ991013_01.0126.C42
Gene No.	12463	Strand	-
Start	3211	End	3569
Name	OJ991013_01.0126.C42.o2.gs	Method	GENSCAN
Start	3211	End	3569
GI	none	Score	.66
Exons	3211..3317, 3461..3569		

Seq. No.	5892	Seq. ID	OJ991013_01.0126.C43
Gene No.	12464	Strand	+
Start	212	End	557
Name	OJ991013_01.0126.C43.o1.gs	Method	GENSCAN
Start	212	End	557
GI	none	Score	.81
Exons	212..273, 500..557		

Seq. No.	5893	Seq. ID	OJ991013_01.0126.C44
Gene No.	12465	Strand	+
Start	622	End	736
Name	OJ991013_01.0126.C44.o1.gs	Method	GENSCAN
Start	622	End	736
GI	none	Score	.81
Exons	622..736		

Seq. No.	5894	Seq. ID	OJ991013_01.0126.C45
Gene No.	12466	Strand	-
Start	233	End	368
Name	OJ991013_01.0126.C45.o1.gs	Method	GENSCAN
Start	233	End	368
GI	none	Score	.64
Exons	233..368		

Seq. No.	5895	Seq. ID	OJ991013_01.0126.C46
Gene No.	12467	Strand	+
Start	463	End	633
Name	OJ991013_01.0126.C46.o1.gs	Method	GENSCAN
Start	463	End	633
GI	none	Score	.9
Exons	463..633		

Seq. No.	5896	Seq. ID	OJ991013_04.0131.C1
Gene No.	12468	Strand	+
Start	769	End	906
Name	OJ991013_04.0131.C1.o1.gs	Method	GENSCAN
Start	769	End	906
GI	none	Score	.4
Exons	769..906		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12469	Strand	+
Start	6117	End	12549
Name	OJ991013_04.0131.C2.o2.gs	Method	GENSCAN
Start	6117	End	11546
GI	none	Score	.53
Exons	6117..6126, 6823..7324, 7429..7510, 8996..9078, 9131..9158, 9659..10345, 10543..10801, 11423..11546		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12469	Strand	+
Start	6117	End	12549
Name	OJ991013_04.0131.C2.o2.np	Method	AAT/NAP
Start	6813	End	7749
GI	2500353	Score	1079
Exons	6813..7324, 7429..7510, 7687..7749		
GI Descrip.	60S RIBOSOMAL PROTEIN L10-3 (QM/R22) gi|1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12469	Strand	+
Start	6117	End	12549
Name	OJ991013_04.0131.C2.o3.gp	Method	AAT/GAP
Start	7043	End	7941
GI	301_1.R1084	Score	1156
Exons	7043..7324, 7429..7510, 7687..7941		
GI Descrip.	'2500353/sp|Q40649|R103_ORYSA 2.0e-42 60S RIBOSOMAL PROTEIN L10-3 (QM/R22) >gi_1293784 (U55048) similar to human QM protein, a putative tumor supressor, and to maize ubiquinol-cytochrome C reductase complex subunit VI requiring protein SC34 [Oryza sativa]'		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12469	Strand	+
Start	6117	End	12549
Name	OJ991013_04.0131.C2.o3.np	Method	AAT/NAP
Start	9698	End	12549
GI	2623295	Score	993

Exons	9698..10345, 10543..10801, 11423..11546, 12462..12549		
GI Descrip.	(AC002409) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12470	Strand	-
Start	24	End	4497
Name	OJ991013_04.0131.C2.o1.gp	Method	AAT/GAP
Start	24	End	673
GI	20568_1.R1084	Score	848
Exons	24..490, 614..673		
GI Descrip.	'5732701/gb|AAD49231.1|AF159386_1 3.0e-18 (AF159386) thioredoxin-like protein [Secale cereale]'		
Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12470	Strand	-
Start	24	End	4497
Name	OJ991013_04.0131.C2.o1.gs	Method	GENSCAN
Start	353	End	4497
GI	none	Score	.72
Exons	353..490, 1093..1215, 2007..2123, 3090..3220, 4434..4497		
Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12470	Strand	-
Start	24	End	4497
Name	OJ991013_04.0131.C2.o1.np	Method	AAT/NAP
Start	356	End	2314
GI	1085952	Score	562
Exons	356..490, 1093..1215, 2007..2120, 2231..2314		
GI Descrip.	hypothetical protein S1 - Phalaris coerulescens		
Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12470	Strand	-
Start	24	End	4497
Name	OJ991013_04.0131.C2.o2.gp	Method	AAT/GAP
Start	801	End	3166
GI	54795_1.R1084	Score	982
Exons	801..860, 1077..1215, 2006..2123, 2231..2299, 2930..3166		
GI Descrip.	'1085952/pir||S49352 3.0e-30 hypothetical protein S1 - Phalaris coerulescens'		
Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o3.tm	Method	TBLASTX:Maize
Start	343	End	2363
GI	none	Score	112
Exons	343..513, 345..491, 356..517, 357..521, 1091..1216, 1091..1213, 1093..1215, 1984..2109, 2004..2117, 2005..2133, 2223..2363, 2228..2296, 2230..2307		
Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o1.tm	Method	TBLASTX:Maize
Start	6814	End	7745
GI	none	Score	135
Exons	6814..6978, 6821..7213, 6824..7324, 6825..7325, 7027..7326,		

7425..7502, 7427..7510, 7429..7512, 7430..7513, 7686..7745

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o1.tc	Method	TBLASTX:Cress
Start	6821	End	7510
GI	none	Score	326
Exons	6821..7213, 6824..7324, 6825..7325, 7027..7326, 7429..7509, 7430..7510		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o1.ts	Method	TBLASTX:Soybean
Start	6821	End	7513
GI	none	Score	289
Exons	6821..7213, 6824..7324, 6825..7325, 6940..7338, 7429..7512, 7430..7513		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o1.tw	Method	TBLASTX:Wheat
Start	6927	End	7748
GI	none	Score	672
Exons	6927..7325, 6929..7324, 7027..7326, 7425..7502, 7429..7512, 7430..7513, 7684..7731, 7686..7748		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o2.tc	Method	TBLASTX:Cress
Start	9599	End	10111
GI	none	Score	36
Exons	9599..9622, 9686..9841, 9836..10111, 9856..10035, 10013..10087		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o4.tm	Method	TBLASTX:Maize
Start	9716	End	9947
GI	none	Score	129
Exons	9716..9850, 9737..9850, 9839..9946, 9852..9947		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o2.ts	Method	TBLASTX:Soybean
Start	9719	End	12552
GI	none	Score	183
Exons	9719..9904, 9733..9918, 9893..10351, 10021..10347, 10542..10646, 10542..10655, 10543..10656, 11416..11532, 11418..11507, 12460..12552		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-

Start	12495	End	12834
Name	OJ991013_04.0131.C2.o2.tm	Method	TBLASTX:Maize
Start	10028	End	12555
GI	none	Score	270
Exons	10028..10351, 10144..10350, 10542..10649, 10543..10656, 10547..10669, 11418..11507, 11422..11532, 11425..11526, 12459..12533, 12460..12555		

Seq. No.	5897	Seq. ID	OJ991013_04.0131.C2
Gene No.	12471	Strand	-
Start	12495	End	12834
Name	OJ991013_04.0131.C2.o4.gp	Method	AAT/GAP
Start	12495	End	12834
GI	uC-osflcyp117e01a1	Score	672
Exons	12495..12834		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12472	Strand	+
Start	3264	End	8027
Name	OJ991013_04.0131.C3.o1.np	Method	AAT/NAP
Start	3264	End	8027
GI	6016874	Score	2132
Exons	3264..3342, 3426..3563, 3628..3860, 4251..4410, 4804..4983, 5101..5440, 5918..6085, 6111..6174, 8010..8027		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12472	Strand	+
Start	3264	End	8027
Name	OJ991013_04.0131.C3.o2.gs	Method	GENSCAN
Start	3264	End	5444
GI	none	Score	.9
Exons	3264..5444		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12472	Strand	+
Start	3264	End	8027
Name	OJ991013_04.0131.C3.o1.gp	Method	AAT/GAP
Start	3953	End	4461
GI	uC-osflcyp110c07b1	Score	962
Exons	3953..4461		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12473	Strand	+
Start	10336	End	13454
Name	OJ991013_04.0131.C3.o4.gs	Method	GENSCAN
Start	10336	End	13454
GI	none	Score	.72
Exons	10336..10399, 11284..11451, 11800..11967, 12054..12306,		

13355..13454

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o2.tm	Method	TBLASTX:Maize
Start	3612	End	4058
GI	none	Score	69
Exons	3612..3698, 3683..3892, 3684..3932, 3969..4025, 4020..4058		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o5.tm	Method	TBLASTX:Maize
Start	4152	End	4466
GI	none	Score	56
Exons	4152..4226, 4239..4466, 4247..4465		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o6.tm	Method	TBLASTX:Maize
Start	4671	End	5023
GI	none	Score	240
Exons	4671..4952, 4682..5023		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o4.tm	Method	TBLASTX:Maize
Start	5135	End	5378
GI	none	Score	282
Exons	5135..5293, 5145..5378		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o3.gs	Method	GENSCAN
Start	5853	End	9950
GI	none	Score	.85
Exons	5853..6239, 7747..7875, 8249..8398, 8486..8551, 8828..8872, 9726..9806, 9906..9950		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o2.gp	Method	AAT/GAP
Start	7578	End	8876
GI	LIB3434-047-P1-K1-D9	Score	723
Exons	7578..7610, 7747..7875, 8249..8398, 8486..8551, 8828..8876		
GI Descrip.	'3157941 4.0e-25 (AC002131) Contains similarity to hypothetical protein gb_U95973 from A. thaliana. [Arabidopsis thaliana]'		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o2.np	Method	AAT/NAP

Start	7714	End	13359
GI	3157941	Score	590
Exons	7714..7875, 8249..8398, 9684..9806, 9906..9987, 10275..10346, 11177..11277, 11394..11510, 11633..11754, 13202..13359		
GI Descrip.	(AC002131) Contains similarity to hypothetical protein gb|U95973 from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o1.tm	Method	TBLASTX:Maize
Start	7747	End	8866
GI	none	Score	114
Exons	7747..7833, 7748..7876, 7750..7875, 7757..7882, 8247..8399, 8247..8393, 8249..8404, 8480..8551, 8480..8551, 8481..8552, 8481..8552, 8828..8866, 8828..8866		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o2.ts	Method	TBLASTX:Soybean
Start	8270	End	10361
GI	none	Score	105
Exons	8270..8404, 8271..8393, 8486..8551, 8487..8552, 9726..9809, 9727..9807, 9906..9992, 9910..9993, 10271..10345, 10275..10361		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o1.tc	Method	TBLASTX:Cress
Start	9907	End	11701
GI	none	Score	95
Exons	9907..9993, 9909..9992, 10274..10345, 10275..10361, 10279..10362, 11177..11278, 11179..11283, 11391..11504, 11434..11502, 11633..11701, 11636..11695, 11637..11696		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o1.ts	Method	TBLASTX:Soybean
Start	11179	End	11710
GI	none	Score	66
Exons	11179..11283, 11391..11495, 11633..11710, 11636..11698		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359
Name	OJ991013_04.0131.C3.o3.tm	Method	TBLASTX:Maize
Start	11186	End	11722
GI	none	Score	109
Exons	11186..11278, 11188..11280, 11188..11283, 11235..11288, 11391..11510, 11420..11509, 11425..11553, 11465..11515, 11633..11698, 11633..11722, 11634..11708		

Seq. No.	5898	Seq. ID	OJ991013_04.0131.C3
Gene No.	12474	Strand	-
Start	5853	End	13359

Name	OJ991013_04.0131.C3.o3.gp	Method	AAT/GAP
Start	11776	End	12104
GI	none	Score	646
Exons	11776..12104		

Seq. No.	5899	Seq. ID	OJ991013_04.0131.C4
Gene No.	12475	Strand	+
Start	1654	End	4116
Name	OJ991013_04.0131.C4.o1.np	Method	AAT/NAP
Start	1654	End	3444
GI	6714413	Score	289
Exons	1654..1831, 2380..2489, 2611..2729, 3372..3444		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	5899	Seq. ID	OJ991013_04.0131.C4
Gene No.	12475	Strand	+
Start	1654	End	4116
Name	OJ991013_04.0131.C4.o1.gs	Method	GENSCAN
Start	1684	End	1941
GI	none	Score	.77
Exons	1684..1831, 1934..1941		

Seq. No.	5899	Seq. ID	OJ991013_04.0131.C4
Gene No.	12475	Strand	+
Start	1654	End	4116
Name	OJ991013_04.0131.C4.o2.gs	Method	GENSCAN
Start	2382	End	4116
GI	none	Score	.46
Exons	2382..2489, 3372..3395, 3438..3546, 3980..4116		

Seq. No.	5900	Seq. ID	OJ991013_04.0131.C5
Gene No.	12476	Strand	+
Start	81	End	9130
Name	OJ991013_04.0131.C5.o1.gs	Method	GENSCAN
Start	81	End	7368
GI	none	Score	.75
Exons	81..101, 556..701, 3209..3318, 3733..3770, 4228..4326, 4354..7368		

Seq. No.	5900	Seq. ID	OJ991013_04.0131.C5
Gene No.	12476	Strand	+
Start	81	End	9130
Name	OJ991013_04.0131.C5.o2.tm	Method	TBLASTX:Maize
Start	4395	End	4622
GI	none	Score	51
Exons	4395..4451, 4395..4619, 4429..4620, 4484..4621, 4485..4622		

Seq. No.	5900	Seq. ID	OJ991013_04.0131.C5
Gene No.	12476	Strand	+
Start	81	End	9130
Name	OJ991013_04.0131.C5.o1.np	Method	AAT/NAP
Start	4417	End	9130
GI	2982431	Score	1896
Exons	4417..7062, 9100..9130		
GI Descrip.	(AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]		

Seq. No.	5900	Seq. ID	OJ991013_04.0131.C5
Gene No.	12476	Strand	+
Start	81	End	9130
Name	OJ991013_04.0131.C5.o1.tw	Method	TBLASTX:Wheat
Start	4513	End	6855
GI	none	Score	54
Exons	4513..4572, 4560..4667, 4585..4629, 4636..4875, 4689..4910, 4699..5019, 4801..4917, 4807..5091, 4852..5106, 5167..5319, 5167..5319, 5197..5319, 5339..5395, 5509..5688, 5569..5904, 5665..5976, 5725..6048, 5761..6042, 5953..6186, 6148..6477, 6229..6498, 6598..6735, 6739..6855, 6739..6855, 6745..6840		

Seq. No.	5900	Seq. ID	OJ991013_04.0131.C5
Gene No.	12476	Strand	+
Start	81	End	9130
Name	OJ991013_04.0131.C5.o1.tc	Method	TBLASTX:Cress
Start	4567	End	6936
GI	none	Score	268
Exons	4567..5106, 4627..5106, 4627..5031, 4636..5106, 4636..4866, 4636..5106, 4636..5097, 4636..5106, 4636..4902, 4675..5319, 4731..4829, 4741..4947, 4807..4983, 4944..5105, 4944..5312, 5058..5318, 5082..5252, 5139..5318, 5166..5318, 5167..5319, 5167..5319, 5167..5268, 5167..5319, 5167..5331, 5212..5328, 5458..6132, 5467..5649, 5473..5775, 5488..5931, 5488..5916, 5506..6204, 5509..6009, 5509..6276, 5512..5868, 5518..6063, 5538..5741, 5547..5918, 5584..6492, 5584..6147, 5586..5918, 5653..6150, 5751..5909, 5820..5930, 5956..5997, 6037..6114, 6051..6422, 6133..6417, 6139..6498, 6151..6492, 6154..6492, 6154..6492, 6157..6498, 6166..6498, 6166..6492, 6238..6498, 6298..6498, 6559..6744, 6559..6735, 6559..6744, 6559..6735, 6559..6762, 6559..6735, 6559..6744, 6589..6744, 6598..6738, 6724..6858, 6739..6855, 6742..6858, 6745..6855, 6745..6858, 6745..6936, 6745..6855, 6745..6855, 6745..6855, 6748..6855		

Seq. No.	5900	Seq. ID	OJ991013_04.0131.C5
Gene No.	12476	Strand	+
Start	81	End	9130
Name	OJ991013_04.0131.C5.o1.ts	Method	TBLASTX:Soybean
Start	4624	End	6942
GI	none	Score	172
Exons	4624..5037, 4627..5061, 4636..5106, 4657..5106, 4663..5106, 4708..5106, 4722..4829, 4723..5106, 4734..4835, 4807..5178, 4813..4938, 4885..5004, 4944..5033, 5022..5318, 5032..5178, 5167..5319, 5167..5397, 5167..5319, 5167..5319, 5167..5310, 5167..5319, 5167..5319, 5167..5319, 5167..5319, 5203..5319, 5458..5499, 5466..5780, 5506..6126, 5506..5997, 5509..5847, 5509..5778, 5512..5919, 5536..6126, 5536..5952, 5538..5702, 5547..5774, 5554..5673, 5584..5994, 5608..6147, 5626..5745, 5650..6066, 5674..6132, 5728..6132, 5746..6153, 5764..6114, 5986..6093, 6148..6498, 6151..6492, 6157..6492, 6157..6492, 6157..6492, 6181..6492, 6199..6330, 6253..6498, 6315..6422, 6559..6747, 6559..6726, 6559..6744, 6559..6744, 6559..6927, 6559..6720, 6559..6723, 6559..6678, 6589..6744, 6613..6744, 6631..6855, 6733..6927, 6739..6942, 6742..6855, 6742..6858, 6745..6855, 6745..6855		

Seq. No.	5900	Seq. ID	OJ991013_04.0131.C5

Gene No.	12476	Strand	+
Start	81	End	9130
Name	OJ991013_04.0131.C5.o1.tm	Method	TBLASTX:Maize
Start	4636	End	6858
GI	none	Score	66
Exons	4636..4746, 4657..4902, 4681..4869, 4807..4935, 4825..5097, 4897..5106, 5097..5252, 5167..5319, 5167..5319, 5458..5682, 5503..5730, 5513..5680, 5521..5703, 5547..5699, 5575..5877, 5584..5754, 5623..5946, 5638..5946, 5710..5988, 5752..5898, 5782..6060, 5812..5970, 5842..6117, 5854..6327, 5896..6045, 6196..6489, 6229..6402, 6283..6492, 6310..6474, 6313..6474, 6454..6636, 6571..6738, 6748..6858, 6751..6834, 6765..6839		

Seq. No.	5901	Seq. ID	OJ991013_04.0131.C6
Gene No.	12477	Strand	-
Start	6	End	3986
Name	OJ991013_04.0131.C6.o2.np	Method	AAT/NAP
Start	6	End	2379
GI	6566263	Score	115
Exons	6..27, 2079..2379		
GI Descrip.	(AB008015) similar to xylan endohydrolase [Arabidopsis thaliana]		

Seq. No.	5901	Seq. ID	OJ991013_04.0131.C6
Gene No.	12477	Strand	-
Start	6	End	3986
Name	OJ991013_04.0131.C6.o1.gs	Method	GENSCAN
Start	368	End	3986
GI	none	Score	.66
Exons	368..415, 692..887, 1083..1197, 1608..2016, 2183..2321, 2513..2659, 3944..3986		

Seq. No.	5901	Seq. ID	OJ991013_04.0131.C6
Gene No.	12477	Strand	-
Start	6	End	3986
Name	OJ991013_04.0131.C6.o1.np	Method	AAT/NAP
Start	1664	End	2025
GI	2370560	Score	129
Exons	1664..2025		
GI Descrip.	(Z98763) putative translational repressor [Schizosaccharomyces pombe]		

Seq. No.	5901	Seq. ID	OJ991013_04.0131.C6
Gene No.	12477	Strand	-
Start	6	End	3986
Name	OJ991013_04.0131.C6.o1.tm	Method	TBLASTX:Maize
Start	1866	End	2019
GI	none	Score	115
Exons	1866..1934, 1867..1932, 1930..2019, 1943..2017, 1948..2019		

Seq. No.	5902	Seq. ID	OJ991013_04.0131.C7
Gene No.	12478	Strand	+
Start	1443	End	1842
Name	OJ991013_04.0131.C7.o1.gs	Method	GENSCAN
Start	1443	End	1842
GI	none	Score	.74
Exons	1443..1842		

Seq. No.	5903	Seq. ID	OJ991013_04.0131.C9
Gene No.	12479	Strand	+
Start	530	End	1779
Name	OJ991013_04.0131.C9.o1.gs	Method	GENSCAN
Start	530	End	1779
GI	none	Score	.49
Exons	530..590, 907..1124, 1395..1520, 1687..1779		

Seq. No.	5903	Seq. ID	OJ991013_04.0131.C9
Gene No.	12480	Strand	+
Start	1687	End	5552
Name	OJ991013_04.0131.C9.o1.np	Method	AAT/NAP
Start	1687	End	5552
GI	6635236	Score	80
Exons	1687..1758, 2997..3222, 3634..3696, 3789..3843, 5528..5552		
GI Descrip.	(AB029327) elicitor-inducible receptor-like protein EIR [Nicotiana tabacum]		

Seq. No.	5903	Seq. ID	OJ991013_04.0131.C9
Gene No.	12481	Strand	-
Start	3962	End	5287
Name	OJ991013_04.0131.C9.o2.gs	Method	GENSCAN
Start	3962	End	5287
GI	none	Score	.53
Exons	3962..4086, 5233..5287		

Seq. No.	5904	Seq. ID	OJ991013_04.0131.C10
Gene No.	12482	Strand	+
Start	233	End	1287
Name	OJ991013_04.0131.C10.o1.gs	Method	GENSCAN
Start	233	End	1285
GI	none	Score	.65
Exons	233..283, 953..1285		

Seq. No.	5904	Seq. ID	OJ991013_04.0131.C10
Gene No.	12482	Strand	+
Start	233	End	1287
Name	OJ991013_04.0131.C10.o1.np	Method	AAT/NAP
Start	953	End	1285
GI	2462749	Score	318
Exons	953..1285		
GI Descrip.	(AC002292) Putative Serine/Threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	5904	Seq. ID	OJ991013_04.0131.C10
Gene No.	12482	Strand	+
Start	233	End	1287
Name	OJ991013_04.0131.C10.o1.tm	Method	TBLASTX:Maize
Start	955	End	1284
GI	none	Score	405
Exons	955..1284, 955..1275, 966..1280		

Seq. No.	5904	Seq. ID	OJ991013_04.0131.C10
Gene No.	12482	Strand	+
Start	233	End	1287
Name	OJ991013_04.0131.C10.o1.ts	Method	TBLASTX:Soybean
Start	957	End	1287

GI	none	Score	71
Exons	957..1103, 958..1287, 966..1286		

Seq. No.	5904	Seq. ID	OJ991013_04.0131.C10
Gene No.	12482	Strand	+
Start	233	End	1287
Name	OJ991013_04.0131.C10.o1.tc	Method	TBLASTX:Cress
Start	958	End	1284
GI	none	Score	349
Exons	958..1284, 969..1274		

Seq. No.	5905	Seq. ID	OJ991013_04.0131.C12
Gene No.	12483	Strand	+
Start	409	End	604
Name	OJ991013_04.0131.C12.o1.gs	Method	GENSCAN
Start	409	End	604
GI	none	Score	.53
Exons	409..604		

Seq. No.	5906	Seq. ID	OJ991013_04.0131.C13
Gene No.	12484	Strand	+
Start	587	End	1563
Name	OJ991013_04.0131.C13.o1.gs	Method	GENSCAN
Start	587	End	1563
GI	none	Score	.5
Exons	587..716, 1546..1563		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+
Start	474	End	6416
Name	OJ991013_04.0131.C14.o1.gs	Method	GENSCAN
Start	474	End	6416
GI	none	Score	.48
Exons	474..684, 904..1328, 2340..2618, 3229..3346, 3749..4293, 4364..4474, 4986..5462, 5615..5797, 6056..6416		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+
Start	474	End	6416
Name	OJ991013_04.0131.C14.o1.np	Method	AAT/NAP
Start	999	End	4341
GI	6016715	Score	578
Exons	999..1056, 1111..1306, 2342..2618, 3229..3500, 3567..3771, 3811..3949, 3983..4341		
GI Descrip.	(AC009325) unknown protein [Arabidopsis thaliana]		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+
Start	474	End	6416
Name	OJ991013_04.0131.C14.o1.tc	Method	TBLASTX:Cress
Start	1206	End	3312
GI	none	Score	61
Exons	1206..1313, 2334..2621, 2418..2606, 2428..2607, 3229..3282, 3237..3281, 3282..3311, 3283..3312		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+

Start	474	End	6416
Name	OJ991013_04.0131.C14.o1.ts	Method	TBLASTX:Soybean
Start	2391	End	3318
GI	none	Score	263
Exons	2391..2621, 2424..2621, 3229..3318, 3237..3317		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+
Start	474	End	6416
Name	OJ991013_04.0131.C14.o2.tm	Method	TBLASTX:Maize
Start	2431	End	3462
GI	none	Score	92
Exons	2431..2493, 2432..2509, 2433..2498, 2482..2607, 2488..2607, 2493..2621, 2505..2618, 3227..3334, 3228..3359, 3229..3363, 3416..3454, 3421..3462		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+
Start	474	End	6416
Name	OJ991013_04.0131.C14.o1.tm	Method	TBLASTX:Maize
Start	3711	End	4248
GI	none	Score	43
Exons	3711..3743, 3806..3955, 3821..3886, 3885..3956, 3889..3948, 3897..3980, 3898..3981, 3935..4042, 3951..4061, 3954..4052, 3955..4083, 3965..4090, 4063..4122, 4082..4246, 4137..4247, 4159..4248, 4162..4248		

Seq. No.	5907	Seq. ID	OJ991013_04.0131.C14
Gene No.	12485	Strand	+
Start	474	End	6416
Name	OJ991013_04.0131.C14.o2.tc	Method	TBLASTX:Cress
Start	3898	End	4307
GI	none	Score	49
Exons	3898..3975, 3937..4014, 4072..4122, 4096..4305, 4155..4307		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12486	Strand	+
Start	2508	End	3099
Name	OJ991013_04.0131.C15.o3.gp	Method	AAT/GAP
Start	2508	End	3099
GI	2799106	Score	715
Exons	2508..2579, 2615..3099		
GI Descrip.	3402815/emb|AJ007829|CVE7829 1.0e-20 Cloning Vector pGreen		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12487	Strand	-
Start	1324	End	1484
Name	OJ991013_04.0131.C15.o1.gp	Method	AAT/GAP
Start	1324	End	1484
GI	286806	Score	253
Exons	1324..1484		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701

Name	OJ991013_04.0131.C15.o2.gp	Method	AAT/GAP
Start	2610	End	3099
GI	2799106	Score	716
Exons	2610..3099		
GI Descrip.	3402815/emb|AJ007829|CVE7829 1.0e-20 Cloning Vector pGreen		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701
Name	OJ991013_04.0131.C15.o1.np	Method	AAT/NAP
Start	2924	End	6701
GI	4220523	Score	850
Exons	2924..3117, 3214..3530, 3616..3893, 4797..5107, 6660..6701		
GI Descrip.	(AL035356) putative alliin lyase [Arabidopsis thaliana]		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701
Name	OJ991013_04.0131.C15.o1.tm	Method	TBLASTX:Maize
Start	2930	End	4988
GI	none	Score	106
Exons	2930..3115, 2937..3116, 3215..3364, 3216..3362, 3413..3529, 3426..3530, 3446..3538, 3595..3888, 3612..3887, 4848..4988, 4864..4935		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701
Name	OJ991013_04.0131.C15.o1.gs	Method	GENSCAN
Start	2933	End	5805
GI	none	Score	.43
Exons	2933..3117, 3214..3530, 3616..3849, 4116..4197, 4959..5149, 5294..5564, 5667..5805		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701
Name	OJ991013_04.0131.C15.o2.tc	Method	TBLASTX:Cress
Start	2939	End	3509
GI	none	Score	67
Exons	2939..3097, 3215..3364, 3413..3505, 3420..3509		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701
Name	OJ991013_04.0131.C15.o1.tc	Method	TBLASTX:Cress
Start	3666	End	5102
GI	none	Score	111
Exons	3666..3812, 3676..3807, 3816..3893, 3829..3891, 4797..5060, 4807..5061, 5070..5102		

Seq. No.	5908	Seq. ID	OJ991013_04.0131.C15
Gene No.	12488	Strand	-
Start	2933	End	6701
Name	OJ991013_04.0131.C15.o1.ts	Method	TBLASTX:Soybean
Start	3672	End	3896
GI	none	Score	89

Exons	3672..3812, 3691..3807, 3817..3894, 3822..3896		
Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12489	Strand	+
Start	2819	End	6356
Name	OJ991013_04.0131.C16.o2.gs	Method	GENSCAN
Start	2819	End	6320
GI	none	Score	.96
Exons	2819..5678, 5809..6320		
Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12489	Strand	+
Start	2819	End	6356
Name	OJ991013_04.0131.C16.o1.np	Method	AAT/NAP
Start	2831	End	6274
GI	2982452	Score	2237
Exons	2831..4120, 4346..5714, 5779..6274		
GI Descrip.	(AL022223) receptor protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12489	Strand	+
Start	2819	End	6356
Name	OJ991013_04.0131.C16.o1.gp	Method	AAT/GAP
Start	5926	End	6356
GI	LIB3433-035-P1-K1-A1	Score	769
Exons	5926..6356		
GI Descrip.	'3402815/emb|AJ007829|CVE7829 1.0e-20 Cloning Vector pGreen'		
Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12490	Strand	+
Start	6373	End	6718
Name	OJ991013_04.0131.C16.o2.gp	Method	AAT/GAP
Start	6373	End	6718
GI	3760479	Score	628
Exons	6373..6718		
Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12491	Strand	+
Start	6690	End	7998
Name	OJ991013_04.0131.C16.o2.np	Method	AAT/NAP
Start	6690	End	7998
GI	5777617	Score	69
Exons	6690..6722, 7894..7998		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12492	Strand	-
Start	7931	End	9160
Name	OJ991013_04.0131.C16.o3.gs	Method	GENSCAN
Start	7931	End	9160
GI	none	Score	.59
Exons	7931..8471, 8702..8738, 8743..9160		
Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910

Name	OJ991013_04.0131.C16.o4.tw	Method	TBLASTX:Wheat
Start	2909	End	4648
GI	none	Score	90
Exons	2909..3148, 3113..3253, 3119..3262, 3266..3421, 3431..3682, 3440..3661, 3587..3877, 3659..3949, 3737..4021, 3782..4093, 3839..4105, 4166..4405, 4166..4375, 4286..4405, 4418..4648, 4433..4642, 4496..4642		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o1.tc	Method	TBLASTX:Cress
Start	3002	End	6113
GI	none	Score	64
Exons	3002..3085, 3110..3247, 3113..3238, 3119..3271, 3119..3247, 3146..3262, 3146..3253, 3257..3436, 3257..3421, 3260..3421, 3263..4105, 3266..3385, 3433..3603, 3440..3676, 3440..3973, 3443..4036, 3454..3621, 3485..3892, 3719..3928, 3725..4105, 3788..4180, 3845..4105, 4166..4396, 4166..4414, 4166..4324, 4166..4396, 4166..4396, 4172..4408, 4199..4375, 4240..4332, 4274..4396, 4364..4405, 4379..4642, 4397..4543, 4397..4642, 4424..4615, 4429..4563, 4433..4636, 4433..4594, 4433..4615, 4520..4645, 4592..4666, 4652..4759, 4660..4716, 5060..5209, 5255..5380, 5447..5611, 5450..5566, 5799..5900, 5807..5899, 5910..5948, 6027..6113		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o3.tm	Method	TBLASTX:Maize
Start	3110	End	4837
GI	none	Score	86
Exons	3110..3247, 3113..3238, 3113..3238, 3119..3247, 3119..3247, 3146..3250, 3257..3436, 3257..3421, 3266..3388, 3272..3424, 3275..3385, 3301..3465, 3430..3678, 3431..3676, 3434..3679, 3434..3676, 3439..3609, 3440..3904, 3443..3550, 3448..3534, 3491..3763, 3494..3964, 3583..3891, 3587..3838, 3587..3676, 3638..3892, 3653..4105, 3664..3894, 3719..4036, 3727..3831, 3749..4036, 3781..4041, 3782..4105, 3808..3972, 3848..4105, 3854..4105, 3893..4105, 3952..4107, 4001..4165, 4001..4324, 4001..4168, 4013..4168, 4067..4165, 4165..4323, 4166..4405, 4166..4408, 4166..4324, 4168..4404, 4168..4395, 4168..4404, 4169..4396, 4169..4405, 4174..4395, 4229..4405, 4253..4411, 4286..4396, 4384..4542, 4397..4627, 4397..4615, 4421..4624, 4424..4636, 4433..4615, 4444..4626, 4447..4614, 4615..4707, 4651..4755, 4652..4765, 4655..4681, 4766..4837		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o1.ts	Method	TBLASTX:Soybean
Start	3113	End	4759
GI	none	Score	84
Exons	3113..3247, 3146..3247, 3191..3250, 3263..3682, 3266..3409, 3301..3675, 3443..3556, 3512..3763, 3587..3784, 3587..3844, 3725..3874, 3730..3837, 3731..3982, 3803..4048, 3875..4105, 3926..4105, 3938..4105, 4019..4276, 4166..4633, 4166..4348,		

4168..4329, 4424..4759, 4454..4645, 4514..4645

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o2.tw	Method	TBLASTX:Wheat
Start	5252	End	5587
GI	none	Score	95
Exons	5252..5380, 5444..5587, 5446..5535, 5486..5566		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o2.tm	Method	TBLASTX:Maize
Start	5266	End	5908
GI	none	Score	134
Exons	5266..5379, 5267..5380, 5447..5611, 5450..5614, 5623..5676, 5650..5679, 5799..5897, 5807..5908		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o4.ts	Method	TBLASTX:Soybean
Start	5279	End	5611
GI	none	Score	155
Exons	5279..5380, 5287..5337, 5444..5611, 5449..5529		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o3.ts	Method	TBLASTX:Soybean
Start	5799	End	6146
GI	none	Score	120
Exons	5799..5891, 5807..5920, 5807..5887, 5886..5933, 5921..6124, 5922..6146		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o5.ts	Method	TBLASTX:Soybean
Start	8417	End	9121
GI	none	Score	61
Exons	8417..8443, 8466..8594, 8488..8589, 8702..8857, 8887..8946, 8989..9120, 8990..9121		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o3.tc	Method	TBLASTX:Cress
Start	8481	End	9105
GI	none	Score	97
Exons	8481..8594, 8702..8857, 8887..8946, 8989..9105		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o4.gs	Method	GENSCAN

Start	9466	End	12302
GI	none	Score	.74
Exons	9466..9523, 10102..10433, 11510..11656, 11768..11821, 11989..12048, 12153..12302		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o1.tw	Method	TBLASTX:Wheat
Start	10048	End	10320
GI	none	Score	184
Exons	10048..10320, 10068..10319		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o1.tm	Method	TBLASTX:Maize
Start	10048	End	15034
GI	none	Score	240
Exons	10048..10434, 10059..10436, 11508..11690, 11510..11656, 11768..11827, 12150..12320, 12151..12318, 14580..14642, 14957..15034		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o2.tc	Method	TBLASTX:Cress
Start	10054	End	10428
GI	none	Score	224
Exons	10054..10428, 10056..10421		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o2.ts	Method	TBLASTX:Soybean
Start	10054	End	12320
GI	none	Score	237
Exons	10054..10434, 10062..10436, 10326..10436, 11508..11690, 11510..11656, 11768..11827, 12150..12320, 12151..12318		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o3.np	Method	AAT/NAP
Start	10059	End	15304
GI	6175145	Score	1193
Exons	10059..10433, 11510..11656, 11768..11821, 12153..12317, 14466..14528, 14561..14678, 14912..15028, 15122..15304		
GI Descrip.	(AC010796) unknown protein [Arabidopsis thaliana] gi|6453902|gb|AAF09085.1|AC011663_21 (AC011663) unknown protein [Arabidopsis thaliana]		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o3.tw	Method	TBLASTX:Wheat
Start	11508	End	12257

GI	none	Score	94
Exons	11508..11654, 11510..11653, 11768..11833, 12150..12188, 12151..12189, 12180..12257		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o4.tc	Method	TBLASTX:Cress
Start	11508	End	12227
GI	none	Score	34
Exons	11508..11534, 11513..11656, 11556..11654, 11768..11827, 11769..11822, 12150..12227		

Seq. No.	5909	Seq. ID	OJ991013_04.0131.C16
Gene No.	12493	Strand	-
Start	9466	End	15910
Name	OJ991013_04.0131.C16.o5.gs	Method	GENSCAN
Start	14166	End	15910
GI	none	Score	.54
Exons	14166..14777, 14942..15028, 15152..15365, 15788..15910		

Seq. No.	5910	Seq. ID	OJ991013_04.0131.C18
Gene No.	12494	Strand	+
Start	6230	End	8717
Name	OJ991013_04.0131.C18.o2.np	Method	AAT/NAP
Start	6230	End	8717
GI	6016714	Score	140
Exons	6230..6374, 6752..6927, 7042..7174, 8684..8717		
GI Descrip.	(AC009325) putative phosphate/phosphoenolpyruvate translocator [Arabidopsis thaliana]		

Seq. No.	5910	Seq. ID	OJ991013_04.0131.C18
Gene No.	12495	Strand	-
Start	1	End	315
Name	OJ991013_04.0131.C18.o1.gp	Method	AAT/GAP
Start	1	End	315
GI	2115_1.R1084	Score	606
Exons	1..315		
GI Descrip.	'4138581/emb|CAA67107| 1.0e-31 (X98474) mitochondrial energy transfer protein [Solanum tuberosum]'		

Seq. No.	5910	Seq. ID	OJ991013_04.0131.C18
Gene No.	12496	Strand	-
Start	221	End	2920
Name	OJ991013_04.0131.C18.o1.np	Method	AAT/NAP
Start	221	End	993
GI	114009	Score	149
Exons	221..319, 631..727, 808..993		
GI Descrip.	APAG PROTEIN gi|72927|pir||BVECAG apaG protein - Escherichia coli gi|40918|emb|CAA28418| (X04711) URF (apaG) (AA 1-375) [Escherichia coli] gi|216475|dbj|BAA01326| (D10483) apaG protein [Escherichia coli] gi|1786235 (AE000115) orf, hypothetical protein [Escherichia coli]		

Seq. No.	5910	Seq. ID	OJ991013_04.0131.C18
Gene No.	12496	Strand	-
Start	221	End	2920

Name	OJ991013_04.0131.C18.o1.tm	Method	TBLASTX:Maize
Start	644	End	2512
GI	none	Score	145
Exons	644..727, 644..712, 646..726, 655..765, 792..980, 793..951, 800..985, 802..981, 807..995, 1494..1577, 1496..1582, 1497..1577, 2214..2258, 2231..2347, 2270..2350, 2432..2512, 2447..2494, 2449..2511		

Seq. No.	5910	Seq. ID	OJ991013_04.0131.C18
Gene No.	12496	Strand	-
Start	221	End	2920
Name	OJ991013_04.0131.C18.o2.gp	Method	AAT/GAP
Start	706	End	2920
GI	8799_1.R1084	Score	1624
Exons	706..727, 808..980, 1496..1576, 2231..2344, 2449..2920		
GI Descrip.	'114009/sp|P05636|APAG_ECOLI 5.0e-10 APAG PROTEIN >gi_72927_pir__BVECAG apaG protein - Escherichia coli >gi_40918_emb_CAA28418_ (X04711) URF (apaG) (AA 1-375) [Escherichia coli] >gi_216475_dbj_BAA01326_ (D10483) apaG protein [Escherichia coli] >gi_1786235 (AE000115) orf, hypothetical protein [Escherichia coli]'		

Seq. No.	5910	Seq. ID	OJ991013_04.0131.C18
Gene No.	12496	Strand	-
Start	221	End	2920
Name	OJ991013_04.0131.C18.o1.ts	Method	TBLASTX:Soybean
Start	810	End	2514
GI	none	Score	98
Exons	810..971, 810..980, 814..981, 814..987, 1496..1582, 1500..1577, 2231..2347, 2449..2514		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12497	Strand	+
Start	594	End	2318
Name	OJ991013_04.0131.C19.o1.np	Method	AAT/NAP
Start	594	End	2078
GI	1706110	Score	692
Exons	594..751, 858..943, 1086..1170, 1309..1428, 1504..1572, 1789..1918, 2005..2078		
GI Descrip.	TRIOSE PHOSPHATE/PHOSPHATE TRANSLOCATOR, NON-GREEN PLASTID PRECURSOR (CTPT) gi|1143713 (U13632) non-green plastid phosphate/triose-phosphate translocator precursor [Brassica oleracea]		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12497	Strand	+
Start	594	End	2318
Name	OJ991013_04.0131.C19.o1.gs	Method	GENSCAN
Start	635	End	1944
GI	none	Score	.64
Exons	635..751, 1309..1428, 1789..1944		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12497	Strand	+
Start	594	End	2318
Name	OJ991013_04.0131.C19.o1.gp	Method	AAT/GAP
Start	1112	End	2318

GI	11092_1.R1084	Score	1245
Exons	1112..1170, 1309..1428, 1504..1572, 1789..1918, 2005..2318		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o2.tm	Method	TBLASTX:Maize
Start	580	End	2077
GI	none	Score	183
Exons	580..753, 596..772, 617..781, 855..947, 860..943, 891..944, 1081..1170, 1089..1184, 1092..1223, 1094..1186, 1306..1425, 1329..1421, 1489..1575, 1783..1920, 1785..1919, 1786..1920, 2003..2077, 2004..2045		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o4.ts	Method	TBLASTX:Soybean
Start	595	End	1184
GI	none	Score	174
Exons	595..762, 596..772, 596..781, 842..943, 855..974, 882..944, 1081..1170, 1081..1170, 1086..1184		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o2.tc	Method	TBLASTX:Cress
Start	596	End	2077
GI	none	Score	172
Exons	596..751, 601..750, 608..760, 855..974, 860..958, 1081..1170, 1089..1172, 1252..1425, 1308..1415, 1504..1575, 1783..1920, 1785..1919, 2000..2077, 2004..2045		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o1.ts	Method	TBLASTX:Soybean
Start	3415	End	4661
GI	none	Score	57
Exons	3415..3516, 3427..3753, 3428..3544, 3571..3705, 3608..3742, 3754..3864, 3776..3865, 3945..4343, 3946..4344, 4341..4661, 4342..4386, 4456..4656		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o1.tm	Method	TBLASTX:Maize
Start	3424	End	5882
GI	none	Score	134
Exons	3424..3705, 3427..3753, 3608..3742, 3754..3864, 3755..3865, 3945..4343, 3946..4344, 4347..4415, 4347..4868, 4462..4866, 4932..5549, 4933..5154, 5211..5444, 5218..5550, 5577..5882, 5668..5829, 5796..5876		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19

Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o1.tc	Method	TBLASTX:Cress
Start	3427	End	5876
GI	none	Score	149
Exons	3427..3762, 3428..3544, 3608..3742, 3754..3864, 3764..3865, 3933..3995, 3943..3993, 3945..4343, 3946..4344, 4344..4400, 4353..4841, 4462..4842, 4843..4866, 4932..5549, 4933..5151, 5205..5444, 5218..5550, 5577..5876, 5668..5820		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o2.gs	Method	GENSCAN
Start	3427	End	5873
GI	none	Score	1
Exons	3427..3863, 3944..5873		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o1.tw	Method	TBLASTX:Wheat
Start	3430	End	4029
GI	none	Score	95
Exons	3430..3864, 3431..3547, 3571..3705, 3608..3865, 3945..4016, 3946..4029		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o2.np	Method	AAT/NAP
Start	3430	End	6780
GI	2499709	Score	3329
Exons	3430..3863, 3944..5915, 6707..6780		
GI Descrip.	PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) gi|1020415|dbj|BAA11136| (D73411) phospholipase D [Oryza sativa] gi|1902903|dbj|BAA19467| (AB001920) phospholipase D [Oryza sativa]		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o4.tw	Method	TBLASTX:Wheat
Start	4032	End	4206
GI	none	Score	164
Exons	4032..4205, 4033..4206		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o2.gp	Method	AAT/GAP
Start	4090	End	4548
GI	43947_1.R1084	Score	879
Exons	4090..4548		
GI Descrip.	'2499709/sp|Q43007|PLD1_ORYSA 6.0e-65 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1)		

(PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]'

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o3.tw	Method	TBLASTX:Wheat
Start	4207	End	4442
GI	none	Score	167
Exons	4207..4344, 4209..4343, 4347..4418, 4347..4442		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o3.ts	Method	TBLASTX:Soybean
Start	4662	End	4868
GI	none	Score	202
Exons	4662..4868, 4663..4866		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o2.ts	Method	TBLASTX:Soybean
Start	4932	End	5879
GI	none	Score	236
Exons	4932..5546, 4933..5154, 5218..5547, 5577..5879, 5668..5829		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o2.tw	Method	TBLASTX:Wheat
Start	5136	End	5505
GI	none	Score	142
Exons	5136..5498, 5211..5444, 5218..5505		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o3.gp	Method	AAT/GAP
Start	5175	End	5515
GI	3090597	Score	564
Exons	5175..5515		
GI Descrip.	2499709/sp|Q43007|PLD1_ORYSA 1.0e-30 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]		

Seq. No.	5911	Seq. ID	OJ991013_04.0131.C19
Gene No.	12498	Strand	-
Start	3427	End	6780
Name	OJ991013_04.0131.C19.o4.gp	Method	AAT/GAP
Start	5558	End	5878
GI	uC-osf1M202062d10b1	Score	605
Exons	5558..5878		

GI Descrip. '2499709/sp|Q43007|PLD1_ORYSA 1.0e-49 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]'

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12499	Strand	+
Start	2791	End	4997
Name	OJ991013_04.0131.C20.o2.gs	Method	GENSCAN
Start	2791	End	3417
GI	none	Score	.96
Exons	2791..2886, 2980..3417		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12499	Strand	+
Start	2791	End	4997
Name	OJ991013_04.0131.C20.o4.np	Method	AAT/NAP
Start	2851	End	4997
GI	3241945	Score	203
Exons	2851..3414, 4950..4997		

GI Descrip. (AC004625) unknown protein [Arabidopsis thaliana]

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12500	Strand	+
Start	7091	End	7618
Name	OJ991013_04.0131.C20.o5.np	Method	AAT/NAP
Start	7091	End	7618
GI	4049342	Score	328
Exons	7091..7618		

GI Descrip. (AL034567) adenylate translocator (brittle-1)-like protein [Arabidopsis thaliana]

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12501	Strand	-
Start	1	End	230
Name	OJ991013_04.0131.C20.o1.np	Method	AAT/NAP
Start	1	End	179
GI	2499708	Score	103
Exons	1..179		

GI Descrip. PHOSPHOLIPASE D PRECURSOR (PLD) (CHOLINE PHOSPHATASE) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D) gi|1020409|dbj|BAA11135| (D73410) phospholipase D [Zea mays]

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12501	Strand	-
Start	1	End	230
Name	OJ991013_04.0131.C20.o1.gp	Method	AAT/GAP
Start	72	End	230
GI	uC-osf1M202062d10b1	Score	270
Exons	72..230		

GI Descrip. '2499709/sp|Q43007|PLD1_ORYSA 1.0e-49 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D

[Oryza sativa]'

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o2.np	Method	AAT/NAP
Start	1092	End	7742
GI	5852172	Score	55
Exons	1092..1121, 1324..1433, 7558..7742		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o3.np	Method	AAT/NAP
Start	2420	End	3826
GI	6691203	Score	66
Exons	2420..2500, 3758..3826		
GI Descrip.	(AC007508) F1K23.7 [Arabidopsis thaliana]		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o2.tm	Method	TBLASTX:Maize
Start	2979	End	3282
GI	none	Score	157
Exons	2979..3113, 2980..3114, 3144..3203, 3148..3231, 3231..3269, 3235..3282		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o2.tc	Method	TBLASTX:Cress
Start	3007	End	3264
GI	none	Score	115
Exons	3007..3120, 3133..3264		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o2.ts	Method	TBLASTX:Soybean
Start	3007	End	3381
GI	none	Score	120
Exons	3007..3135, 3015..3089, 3135..3260, 3136..3264, 3289..3381		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o3.gs	Method	GENSCAN
Start	7112	End	7642
GI	none	Score	.96
Exons	7112..7327, 7406..7642		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o1.tm	Method	TBLASTX:Maize

Start	7240	End	7638
GI	none	Score	44
Exons	7240..7284, 7262..7318, 7364..7618, 7384..7638, 7391..7621		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o1.tc	Method	TBLASTX:Cress
Start	7373	End	7557
GI	none	Score	227
Exons	7373..7555, 7384..7557, 7391..7555, 7462..7557		

Seq. No.	5912	Seq. ID	OJ991013_04.0131.C20
Gene No.	12502	Strand	-
Start	1092	End	7742
Name	OJ991013_04.0131.C20.o1.ts	Method	TBLASTX:Soybean
Start	7384	End	7635
GI	none	Score	309
Exons	7384..7620, 7391..7621, 7462..7635, 7500..7625		

Seq. No.	5913	Seq. ID	OJ991013_04.0131.C21
Gene No.	12503	Strand	+
Start	1	End	463
Name	OJ991013_04.0131.C21.o1.gp	Method	AAT/GAP
Start	1	End	463
GI	3764119	Score	870
Exons	1..463		
GI Descrip.	4138581/emb|CAA67107| 1.0e-31 (X98474) mitochondrial energy transfer protein [Solanum tuberosum]		

Seq. No.	5913	Seq. ID	OJ991013_04.0131.C21
Gene No.	12503	Strand	+
Start	1	End	463
Name	OJ991013_04.0131.C21.o1.tm	Method	TBLASTX:Maize
Start	1	End	216
GI	none	Score	69
Exons	1..117, 2..85, 2..118, 3..128, 14..130, 169..216		

Seq. No.	5913	Seq. ID	OJ991013_04.0131.C21
Gene No.	12503	Strand	+
Start	1	End	463
Name	OJ991013_04.0131.C21.o1.np	Method	AAT/NAP
Start	1	End	150
GI	231654	Score	118
Exons	1..150		
GI Descrip.	BRITTLE-1 PROTEIN PRECURSOR gi|82676|pir||JQ1459 Bt1 protein precursor - maize gi|168426 (M79333) brittle-1 protein [Zea mays]		

Seq. No.	5914	Seq. ID	OJ991013_04.0131.C22
Gene No.	12504	Strand	-
Start	908	End	1182
Name	OJ991013_04.0131.C22.o1.gs	Method	GENSCAN
Start	908	End	1182
GI	none	Score	.76
Exons	908..1182		

Seq. No.	5915	Seq. ID	OJ991013_04.0131.C23
Gene No.	12505	Strand	+
Start	1403	End	2174
Name	OJ991013_04.0131.C23.o1.np	Method	AAT/NAP
Start	1403	End	2174
GI	4680183	Score	179
Exons	1403..1480, 2085..2174		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5916	Seq. ID	OJ991013_04.0131.C24
Gene No.	12506	Strand	-
Start	221	End	1256
Name	OJ991013_04.0131.C24.o1.gs	Method	GENSCAN
Start	221	End	1256
GI	none	Score	.5
Exons	221..508, 604..673, 717..808, 936..1256		

Seq. No.	5917	Seq. ID	OJ991013_04.0131.C26
Gene No.	12507	Strand	+
Start	110	End	294
Name	OJ991013_04.0131.C26.o1.gs	Method	GENSCAN
Start	110	End	294
GI	none	Score	.48
Exons	110..294		

Seq. No.	5918	Seq. ID	OJ991203_01.0128.C1
Gene No.	12508	Strand	+
Start	570	End	1137
Name	OJ991203_01.0128.C1.o1.np	Method	AAT/NAP
Start	570	End	1137
GI	5441880	Score	762
Exons	570..720, 826..1137		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5918	Seq. ID	OJ991203_01.0128.C1
Gene No.	12508	Strand	+
Start	570	End	1137
Name	OJ991203_01.0128.C1.o1.gs	Method	GENSCAN
Start	572	End	1072
GI	none	Score	.75
Exons	572..720, 826..1072		

Seq. No.	5919	Seq. ID	OJ991203_01.0128.C2
Gene No.	12509	Strand	+
Start	1	End	2499
Name	OJ991203_01.0128.C2.o2.np	Method	AAT/NAP
Start	1	End	2220
GI	5441880	Score	1622
Exons	1..28, 517..815, 892..1150, 1395..1492, 1739..1870, 1986..2220		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5919	Seq. ID	OJ991203_01.0128.C2
Gene No.	12509	Strand	+

Start	1	End	2499
Name	OJ991203_01.0128.C2.o1.gs	Method	GENSCAN
Start	99	End	2499
GI	none	Score	.64
Exons	99..237, 310..425, 517..768, 944..1150, 1243..1363, 1395..1492, 1583..1638, 1739..1870, 1934..1981, 1986..2188, 2339..2499		

Seq. No.	5919	Seq. ID	OJ991203_01.0128.C2
Gene No.	12509	Strand	+
Start	1	End	2499
Name	OJ991203_01.0128.C2.o1.gp	Method	AAT/GAP
Start	643	End	1142
GI	LIB3475-007-P1-K1-G8	Score	798
Exons	643..815, 892..1142		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	5920	Seq. ID	OJ991203_01.0128.C3
Gene No.	12510	Strand	+
Start	458	End	598
Name	OJ991203_01.0128.C3.o1.gs	Method	GENSCAN
Start	458	End	598
GI	none	Score	.69
Exons	458..598		

Seq. No.	5920	Seq. ID	OJ991203_01.0128.C3
Gene No.	12511	Strand	-
Start	134	End	536
Name	OJ991203_01.0128.C3.o1.gp	Method	AAT/GAP
Start	134	End	536
GI	7406_1.R1084	Score	649
Exons	134..536		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	5920	Seq. ID	OJ991203_01.0128.C3
Gene No.	12512	Strand	-
Start	8107	End	9196
Name	OJ991203_01.0128.C3.o3.gs	Method	GENSCAN
Start	8107	End	9196
GI	none	Score	.71
Exons	8107..8528, 9107..9196		

Seq. No.	5921	Seq. ID	OJ991203_01.0128.C4
Gene No.	12513	Strand	+
Start	143	End	1697
Name	OJ991203_01.0128.C4.o1.gp	Method	AAT/GAP
Start	143	End	1697
GI	21839_1.R1084	Score	319
Exons	143..172, 655..769, 1651..1697		
GI Descrip.	'4406759/gb|AAD20070| 9.0e-33 (AC006836) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5921	Seq. ID	OJ991203_01.0128.C4
Gene No.	12513	Strand	+
Start	143	End	1697

Name	OJ991203_01.0128.C4.o1.gs	Method	GENSCAN
Start	655	End	1089
GI	none	Score	.92
Exons	655..769, 1049..1089		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12514	Strand	+
Start	1	End	2481
Name	OJ991203_01.0128.C5.o1.np	Method	AAT/NAP
Start	1	End	2333
GI	6503302	Score	183
Exons	1..50, 578..670, 1115..1462, 1617..1661, 1742..1771, 2043..2162, 2250..2333		
GI Descrip.	(AC011713) Is a member of PF|01544 CorA-like Mg2+ transporter protein family. ESTs gb|Z48392 and gb|Z48391 come from this gene. [Arabidopsis thaliana]		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12514	Strand	+
Start	1	End	2481
Name	OJ991203_01.0128.C5.o1.gs	Method	GENSCAN
Start	596	End	2336
GI	none	Score	.84
Exons	596..670, 1115..1204, 1418..1462, 1617..1661, 1742..1771, 2043..2162, 2250..2336		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12514	Strand	+
Start	1	End	2481
Name	OJ991203_01.0128.C5.o2.gp	Method	AAT/GAP
Start	1319	End	2481
GI	53179_1.R1084	Score	839
Exons	1319..1342, 1418..1462, 1617..1661, 1742..1771, 2043..2162, 2250..2481		
GI Descrip.	'4406759/gb|AAD20070| 6.0e-24 (AC006836) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12515	Strand	+
Start	11075	End	16608
Name	OJ991203_01.0128.C5.o3.gp	Method	AAT/GAP
Start	11075	End	13907
GI	4715309	Score	910
Exons	11075..11389, 13334..13433, 13834..13907		
GI Descrip.	1946361 4.0e-26 (U93215) C3HC4 zinc finger protein isolog [Arabidopsis thaliana]		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12515	Strand	+
Start	11075	End	16608
Name	OJ991203_01.0128.C5.o3.np	Method	AAT/NAP
Start	11284	End	15881
GI	1946361	Score	543
Exons	11284..11389, 13334..13433, 13834..14170, 14291..14429, 14480..14748, 14837..14887, 15260..15332, 15708..15881		
GI Descrip.	(U93215) putative C3HC4 zinc finger protein [Arabidopsis thaliana]		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12515	Strand	+
Start	11075	End	16608
Name	OJ991203_01.0128.C5.o4.gs	Method	GENSCAN
Start	13351	End	16608
GI	none	Score	.67
Exons	13351..13433, 13834..14170, 14291..14748, 15260..15332, 15708..15800, 15910..16003, 16445..16608		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12515	Strand	+
Start	11075	End	16608
Name	OJ991203_01.0128.C5.o4.gp	Method	AAT/GAP
Start	14682	End	16020
GI	uC-osflcyp129b04a1	Score	948
Exons	14682..14748, 14837..14887, 15260..15332, 15708..16020		
GI Descrip.	'1946361 7.0e-25 (U93215) C3HC4 zinc finger protein isolog [Arabidopsis thaliana]'		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12516	Strand	-
Start	594	End	656
Name	OJ991203_01.0128.C5.o1.gp	Method	AAT/GAP
Start	594	End	656
GI	21839_1.R1084	Score	102
Exons	594..656		
GI Descrip.	'4406759/gb|AAD20070| 9.0e-33 (AC006836) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12517	Strand	-
Start	3669	End	9374
Name	OJ991203_01.0128.C5.o2.gs	Method	GENSCAN
Start	3669	End	4762
GI	none	Score	.94
Exons	3669..3722, 4203..4322, 4464..4619, 4709..4762		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12517	Strand	-
Start	3669	End	9374
Name	OJ991203_01.0128.C5.o2.np	Method	AAT/NAP
Start	4009	End	9374
GI	1184075	Score	246
Exons	4009..4043, 6789..7339, 9339..9374		
GI Descrip.	(U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi|1587673|prf||2207203A Cf-2 gene [Lycopersicon esculentum]		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	562	End	2452
GI	none	Score	122
Exons	562..696, 581..673, 1107..1343, 1107..1343, 1114..1350, 1412..1465, 1412..1462, 1416..1466, 1417..1467, 1606..1659, 1608..1664, 1736..1774, 1741..1773, 2037..2165, 2039..2176,		

2042..2164, 2249..2347, 2250..2336, 2339..2374, 2399..2452,
2401..2451

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o2.ts	Method	TBLASTX:Soybean
Start	1118	End	1774
GI	none	Score	77
Exons	1118..1195, 1119..1184, 1189..1293, 1205..1342, 1206..1346, 1226..1315, 1412..1465, 1423..1464, 1608..1664, 1736..1774		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	2004	End	2342
GI	none	Score	210
Exons	2004..2165, 2036..2164, 2250..2342		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o3.tm	Method	TBLASTX:Maize
Start	6262	End	6502
GI	none	Score	81
Exons	6262..6381, 6274..6351, 6276..6368, 6302..6382, 6371..6502, 6376..6489, 6381..6500		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	6760	End	7276
GI	none	Score	65
Exons	6760..7014, 6796..7098, 6799..7065, 6821..7015, 6871..7071, 6925..7104, 6925..7038, 7136..7267, 7154..7276, 7154..7273		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o2.tc	Method	TBLASTX:Cress
Start	6793	End	7327
GI	none	Score	42
Exons	6793..6966, 6793..7062, 6793..6993, 6793..7104, 6796..7065, 6799..7098, 6871..7098, 6874..7104, 7015..7104, 7130..7273, 7133..7279, 7133..7273, 7136..7273, 7163..7270, 7283..7327		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o4.tm	Method	TBLASTX:Maize
Start	6793	End	7339
GI	none	Score	42
Exons	6793..6966, 6796..7041, 6829..7098, 6829..7029, 6979..7098, 6995..7099, 7124..7339, 7124..7273, 7143..7268, 7163..7249		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o5.np	Method	AAT/NAP
Start	17696	End	19775
GI	5430752	Score	143
Exons	17696..17715, 18734..18950, 19375..19775		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o2.tm	Method	TBLASTX:Maize
Start	18784	End	19065
GI	none	Score	74
Exons	18784..18849, 18786..18845, 18843..19064, 18844..19065		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o4.np	Method	AAT/NAP
Start	18807	End	19484
GI	3063466	Score	326
Exons	18807..19358, 19399..19484		
GI Descrip.	(AC003981) F22O13.28 [Arabidopsis thaliana]		

Seq. No.	5922	Seq. ID	OJ991203_01.0128.C5
Gene No.	12518	Strand	-
Start	17696	End	19775
Name	OJ991203_01.0128.C5.o5.gp	Method	AAT/GAP
Start	19022	End	19464
GI	none	Score	837
Exons	19022..19464		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12519	Strand	+
Start	567	End	1384
Name	OJ991203_01.0128.C6.o1.gs	Method	GENSCAN
Start	567	End	1384
GI	none	Score	.81
Exons	567..718, 830..873, 1209..1384		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12520	Strand	+
Start	6280	End	6357
Name	OJ991203_01.0128.C6.o2.gp	Method	AAT/GAP
Start	6280	End	6357
GI	LIB3477-003-P1-K1-E9	Score	112
Exons	6280..6357		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12521	Strand	+
Start	8652	End	11423
Name	OJ991203_01.0128.C6.o2.np	Method	AAT/NAP

Start	8652	End	11423
GI	226691	Score	131
Exons	8652..8939, 11380..11423		
GI Descrip.	RNA polymerase beta'-2 [Oryza sativa]		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12522	Strand	-
Start	43	End	484
Name	OJ991203_01.0128.C6.o1.gp	Method	AAT/GAP
Start	43	End	484
GI	LIB3432-059-P1-K1-D8	Score	667
Exons	43..484		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12523	Strand	-
Start	2905	End	4540
Name	OJ991203_01.0128.C6.o1.np	Method	AAT/NAP
Start	2905	End	4540
GI	5915835	Score	1005
Exons	2905..3519, 3615..4540		
GI Descrip.	CYTOCHROME P450 71D6 gi|1762142 (U48434) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	2918	End	4405
GI	none	Score	107
Exons	2918..3127, 2926..3180, 3193..3525, 3203..3505, 3968..4405, 4089..4370		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o3.tw	Method	TBLASTX:Wheat
Start	2941	End	3171
GI	none	Score	133
Exons	2941..3171, 2954..3130, 2998..3135, 3009..3170		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	2950	End	4454
GI	none	Score	94
Exons	2950..3186, 2951..3127, 3190..3363, 3206..3352, 3379..3525, 3380..3520, 3615..3653, 3686..3757, 3875..4042, 4065..4454, 4085..4423		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o3.tm	Method	TBLASTX:Maize
Start	3044	End	3550

GI	none	Score	87
Exons	3044..3130, 3052..3171, 3196..3360, 3206..3382, 3370..3519, 3371..3550		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	3205	End	3559
GI	none	Score	131
Exons	3205..3384, 3206..3349, 3253..3378, 3359..3559, 3370..3519		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	4097	End	4531
GI	none	Score	153
Exons	4097..4228, 4097..4423, 4107..4457, 4475..4531		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o3.gs	Method	GENSCAN
Start	7308	End	16742
GI	none	Score	.67
Exons	7308..7406, 10057..10219, 10572..10628, 11263..11388, 11477..12301, 12662..12830, 13076..13242, 13669..13839, 15820..15921, 16361..16438, 16654..16742		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o3.gp	Method	AAT/GAP
Start	10031	End	10410
GI	5803472	Score	712
Exons	10031..10410		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o3.np	Method	AAT/NAP
Start	10481	End	12372
GI	1946360	Score	510
Exons	10481..10628, 11263..11388, 11477..11982, 12013..12372		
GI Descrip.	(U93215) unknown protein [Arabidopsis thaliana]		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	10484	End	11697
GI	none	Score	41
Exons	10484..10525, 10502..10630, 10503..10595, 10503..10682, 10505..10630, 10513..10632, 11238..11282, 11258..11341, 11262..11390, 11263..11334, 11263..11391, 11328..11390, 11471..11695, 11475..11696, 11476..11697		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o2.tc	Method	TBLASTX:Cress
Start	10508	End	11517
GI	none	Score	91
Exons	10508..10642, 10517..10660, 10533..10682, 11239..11334, 11262..11390, 11476..11517		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	10508	End	11532
GI	none	Score	94
Exons	10508..10630, 10509..10595, 11262..11390, 11263..11334, 11476..11532		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o2.ts	Method	TBLASTX:Soybean
Start	10523	End	11574
GI	none	Score	71
Exons	10523..10642, 10527..10595, 11262..11390, 11266..11334, 11476..11574		

Seq. No.	5923	Seq. ID	OJ991203_01.0128.C6
Gene No.	12524	Strand	-
Start	7308	End	16742
Name	OJ991203_01.0128.C6.o4.gp	Method	AAT/GAP
Start	11971	End	12342
GI	5803471	Score	684
Exons	11971..12342		

Seq. No.	5924	Seq. ID	OJ991203_01.0128.C7
Gene No.	12525	Strand	-
Start	8633	End	9064
Name	OJ991203_01.0128.C7.o1.gp	Method	AAT/GAP
Start	8633	End	9064
GI	none	Score	787
Exons	8633..9064		

Seq. No.	5925	Seq. ID	OJ991203_01.0128.C8
Gene No.	12526	Strand	-
Start	193	End	336
Name	OJ991203_01.0128.C8.o1.gs	Method	GENSCAN
Start	193	End	336
GI	none	Score	.61
Exons	193..336		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12527	Strand	+
Start	2722	End	2884
Name	OJ991203_01.0128.C10.o2.gp	Method	AAT/GAP
Start	2722	End	2884

GI	7406_1.R1084	Score	213
Exons	2722..2884		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12528	Strand	+
Start	3282	End	7421
Name	OJ991203_01.0128.C10.o2.gs	Method	GENSCAN
Start	3282	End	7421
GI	none	Score	.84
Exons	3282..3388, 4164..4499, 4647..4914, 5760..7421		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12528	Strand	+
Start	3282	End	7421
Name	OJ991203_01.0128.C10.o3.np	Method	AAT/NAP
Start	4285	End	7418
GI	2244772	Score	1514
Exons	4285..4997, 5814..7418		
GI Descrip.	(Z97335) transport protein [Arabidopsis thaliana]		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12528	Strand	+
Start	3282	End	7421
Name	OJ991203_01.0128.C10.o3.gp	Method	AAT/GAP
Start	4341	End	4573
GI	5003562	Score	450
Exons	4341..4573		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12528	Strand	+
Start	3282	End	7421
Name	OJ991203_01.0128.C10.o4.gp	Method	AAT/GAP
Start	6007	End	6446
GI	LIB3433-008-Q6-K1-B8	Score	819
Exons	6007..6446		
GI Descrip.	'3935152 8.0e-27 (AC005106) T25N20.16 [Arabidopsis thaliana]'		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12529	Strand	+
Start	12948	End	15969
Name	OJ991203_01.0128.C10.o5.np	Method	AAT/NAP
Start	12469	End	14317
GI	5852093	Score	76
Exons	12469..12577, 14297..14317		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12529	Strand	+
Start	12948	End	15969
Name	OJ991203_01.0128.C10.o4.gs	Method	GENSCAN
Start	12948	End	15969
GI	none	Score	.52
Exons	12948..13060, 15494..15610, 15813..15969		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10

Gene No.	12530	Strand	+
Start	28592	End	34273
Name	OJ991203_01.0128.C10.o7.gs	Method	GENSCAN
Start	28592	End	34273
GI	none	Score	.66
Exons	28592..28770, 30038..30065, 30177..32150, 33025..33162, 33925..34051, 34149..34273		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12530	Strand	+
Start	28592	End	34273
Name	OJ991203_01.0128.C10.o6.np	Method	AAT/NAP
Start	29348	End	32202
GI	6175175	Score	1305
Exons	29348..29393, 30397..32202		
GI Descrip.	(AC011437) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12530	Strand	+
Start	28592	End	34273
Name	OJ991203_01.0128.C10.o8.gp	Method	AAT/GAP
Start	31184	End	31644
GI	uC-osrocyp011d08b1	Score	915
Exons	31184..31644		
GI Descrip.	'4544450/gb|AAD22358.1|AC006592_15 1.0e-22 (AC006592) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12531	Strand	-
Start	1	End	2900
Name	OJ991203_01.0128.C10.o1.np	Method	AAT/NAP
Start	1	End	1830
GI	5441880	Score	1928
Exons	1..93, 349..380, 825..1830		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12531	Strand	-
Start	1	End	2900
Name	OJ991203_01.0128.C10.o1.gs	Method	GENSCAN
Start	49	End	2283
GI	none	Score	.99
Exons	49..2283		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12531	Strand	-
Start	1	End	2900
Name	OJ991203_01.0128.C10.o1.gp	Method	AAT/GAP
Start	795	End	1226
GI	5701669	Score	845
Exons	795..1226		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12531	Strand	-
Start	1	End	2900
Name	OJ991203_01.0128.C10.o2.np	Method	AAT/NAP
Start	1843	End	2900
GI	6721543	Score	173
Exons	1843..1959, 2772..2900		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12532	Strand	-
Start	8367	End	10970
Name	OJ991203_01.0128.C10.o5.gp	Method	AAT/GAP
Start	8367	End	9719
GI	21144_1.R1084	Score	1875
Exons	8367..8749, 8834..8895, 9020..9113, 9227..9719		
GI Descrip.	'4760545/dbj|BAA77333.1| 1.0e-10 (AB019492) IDN4-GGTR14 [Homo sapiens]'		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12532	Strand	-
Start	8367	End	10970
Name	OJ991203_01.0128.C10.o3.gs	Method	GENSCAN
Start	8695	End	10827
GI	none	Score	.84
Exons	8695..8749, 9020..9113, 9227..9450, 10577..10827		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12532	Strand	-
Start	8367	End	10970
Name	OJ991203_01.0128.C10.o4.np	Method	AAT/NAP
Start	8715	End	10818
GI	2618721	Score	459
Exons	8715..8749, 8834..8895, 9020..9160, 9225..9492, 10616..10818		
GI Descrip.	(U49072) IAA16 [Arabidopsis thaliana] gi|6175173|gb|AAF04899.1|AC011437_14 (AC011437) auxin-induced protein [Arabidopsis thaliana]		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12532	Strand	-
Start	8367	End	10970
Name	OJ991203_01.0128.C10.o6.gp	Method	AAT/GAP
Start	10597	End	10970
GI	572142	Score	479
Exons	10597..10970		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o2.tw	Method	TBLASTX:Wheat
Start	595	End	975
GI	none	Score	80
Exons	595..771, 656..748, 769..966, 781..975		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725

Name	OJ991203_01.0128.C10.o5.tm	Method	TBLASTX:Maize
Start	673	End	1269
GI	none	Score	154
Exons	673..768, 808..1107, 869..1090, 1141..1269, 1163..1261		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o6.tm	Method	TBLASTX:Maize
Start	4258	End	4656
GI	none	Score	204
Exons	4258..4302, 4294..4335, 4297..4416, 4326..4424, 4507..4635, 4515..4583, 4555..4656		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o7.tm	Method	TBLASTX:Maize
Start	4722	End	4955
GI	none	Score	246
Exons	4722..4955, 4723..4902		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o3.tc	Method	TBLASTX:Cress
Start	4789	End	6530
GI	none	Score	84
Exons	4789..4917, 5814..5897, 5954..6319, 5955..6320, 6326..6472, 6327..6530		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o4.tm	Method	TBLASTX:Maize
Start	5789	End	6088
GI	none	Score	211
Exons	5789..5941, 5791..5925, 5792..5944, 5793..5945, 5924..6088, 5925..6086, 5986..6087		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o4.ts	Method	TBLASTX:Soybean
Start	5829	End	6200
GI	none	Score	89
Exons	5829..5903, 5829..5888, 5922..5981, 5969..6199, 5982..6200		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o1.ts	Method	TBLASTX:Soybean
Start	6201	End	7421
GI	none	Score	91
Exons	6201..6320, 6206..6310, 6326..6514, 6327..6566, 6576..6653, 6666..7319, 6687..6833, 6791..6967, 6873..6998, 7013..7150, 7020..7307, 7238..7318, 7329..7421, 7337..7411		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o1.tm	Method	TBLASTX:Maize
Start	6342	End	7421
GI	none	Score	170
Exons	6342..6566, 6576..6653, 6672..7319, 6771..7052, 6791..7156, 7083..7322, 7332..7421, 7340..7414		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o1.tw	Method	TBLASTX:Wheat
Start	6375	End	6701
GI	none	Score	526
Exons	6375..6698, 6375..6623, 6397..6669, 6675..6701		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o4.tc	Method	TBLASTX:Cress
Start	6675	End	6965
GI	none	Score	256
Exons	6675..6965, 6687..6716, 6744..6965		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o1.tc	Method	TBLASTX:Cress
Start	6966	End	7421
GI	none	Score	366
Exons	6966..7319, 6966..7295, 7238..7318, 7326..7421, 7337..7414		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o3.tm	Method	TBLASTX:Maize
Start	8363	End	10827
GI	none	Score	65
Exons	8363..8437, 8364..8441, 8364..8459, 8365..8460, 8434..8598, 8464..8589, 8474..8599, 8615..8695, 8643..8699, 8693..8749, 8694..8750, 8696..8749, 8701..8754, 8820..8894, 8834..8893, 8835..8894, 8836..8895, 9000..9065, 9004..9078, 9019..9072, 9073..9117, 9207..9347, 9226..9351, 9374..9493, 9407..9481, 9420..9494, 9424..9495, 10678..10725, 10679..10717, 10771..10827, 10773..10820		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o2.ts	Method	TBLASTX:Soybean
Start	8710	End	9494
GI	none	Score	58
Exons	8710..8763, 8714..8764, 8835..8894, 8839..8943, 9004..9114, 9022..9105, 9234..9347, 9247..9351, 9441..9494, 9447..9488		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o5.tc	Method	TBLASTX:Cress
Start	8835	End	9335
GI	none	Score	54
Exons	8835..8894, 8836..8895, 9010..9072, 9010..9096, 9186..9335		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12533	Strand	-
Start	17788	End	18725
Name	OJ991203_01.0128.C10.o5.gs	Method	GENSCAN
Start	17788	End	18725
GI	none	Score	.69
Exons	17788..18026, 18656..18725		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12534	Strand	
Start	30828	End	32285
Name	OJ991203_01.0128.C10.o2.tm	Method	TBLASTX:Maize
Start	30828	End	32195
GI	none	Score	142
Exons	30828..31172, 30845..31105, 30966..31160, 31071..31145, 31176..31322, 31176..31313, 31188..31349, 31245..31481, 31281..31355, 31287..31571, 31290..31496, 31290..31517, 31326..31754, 31350..31493, 31422..32195, 31445..31786, 31461..31787, 31598..31855, 31781..31846		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12534	Strand	
Start	30828	End	32285
Name	OJ991203_01.0128.C10.o2.tc	Method	TBLASTX:Cress
Start	31185	End	31877
GI	none	Score	347
Exons	31185..31769, 31473..31754, 31577..31771, 31638..31853, 31641..31817, 31770..31877		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12534	Strand	
Start	30828	End	32285
Name	OJ991203_01.0128.C10.o3.tw	Method	TBLASTX:Wheat
Start	31185	End	32054
GI	none	Score	94
Exons	31185..31322, 31431..31901, 31595..31903, 31722..31868, 31905..32054		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12534	Strand	
Start	30828	End	32285
Name	OJ991203_01.0128.C10.o3.ts	Method	TBLASTX:Soybean
Start	31344	End	31997
GI	none	Score	96
Exons	31344..31571, 31665..31997, 31668..31997		

Seq. No.	5926	Seq. ID	OJ991203_01.0128.C10
Gene No.	12534	Strand	
Start	30828	End	32285

Name	OJ991203_01.0128.C10.o6.tc	Method	TBLASTX:Cress
Start	31878	End	32285
GI	none	Score	213
Exons	31878..32195, 31892..31996, 32094..32285		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12535	Strand	+
Start	266	End	744
Name	OJ991203_01.0128.C11.o1.gs	Method	GENSCAN
Start	266	End	744
GI	none	Score	.95
Exons	266..328, 418..744		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12536	Strand	+
Start	1581	End	10414
Name	OJ991203_01.0128.C11.o2.gs	Method	GENSCAN
Start	1581	End	10414
GI	none	Score	.51
Exons	1581..1889, 4623..4802, 4816..4959, 6059..6187, 6372..6494, 6788..6968, 8053..8277, 9770..9947, 10261..10414		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12536	Strand	+
Start	1581	End	10414
Name	OJ991203_01.0128.C11.o1.np	Method	AAT/NAP
Start	4654	End	7012
GI	3056589	Score	391
Exons	4654..4830, 4909..4959, 6059..6187, 6372..6494, 6788..7012		
GI Descrip.	(AC004255) T1F9.10 [Arabidopsis thaliana]		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12537	Strand	+
Start	14649	End	15215
Name	OJ991203_01.0128.C11.o3.gp	Method	AAT/GAP
Start	14649	End	15215
GI	4715712	Score	1109
Exons	14649..15215		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12538	Strand	+
Start	15842	End	16813
Name	OJ991203_01.0128.C11.o4.gs	Method	GENSCAN
Start	15842	End	16813
GI	none	Score	.46
Exons	15842..16318, 16476..16813		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12538	Strand	+
Start	15842	End	16813
Name	OJ991203_01.0128.C11.o4.gp	Method	AAT/GAP
Start	16144	End	16706
GI	2799896	Score	289
Exons	16144..16318, 16686..16706		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12539	Strand	-

Start	534	End	867
Name	OJ991203_01.0128.C11.o1.gp	Method	AAT/GAP
Start	534	End	867
GI	2798412	Score	599
Exons	534..867		
GI Descrip.	4760545/dbj|BAA77333.1| 1.0e-10 (AB019492) IDN4-GGTR14 [Homo sapiens]		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o1.tm	Method	TBLASTX:Maize
Start	244	End	783
GI	none	Score	140
Exons	244..354, 245..328, 246..329, 247..330, 400..486, 400..492, 402..488, 416..493, 475..783, 484..756, 495..767		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o2.ts	Method	TBLASTX:Soybean
Start	308	End	690
GI	none	Score	36
Exons	308..328, 400..477, 415..477, 417..485, 460..627, 498..620, 505..690, 510..641		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o3.tm	Method	TBLASTX:Maize
Start	4653	End	7018
GI	none	Score	84
Exons	4653..4745, 4654..4719, 4698..4961, 4738..4962, 6058..6189, 6059..6187, 6365..6541, 6372..6542, 6785..6856, 6786..6884, 6787..6834, 6794..6910, 6854..6973, 6932..7018		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o2.tc	Method	TBLASTX:Cress
Start	4725	End	6166
GI	none	Score	249
Exons	4725..4949, 4738..4962, 6049..6165, 6059..6166		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o3.gs	Method	GENSCAN
Start	10904	End	12623
GI	none	Score	.79
Exons	10904..11744, 12604..12623		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o2.tm	Method	TBLASTX:Maize
Start	10934	End	11749

GI	none	Score	66
Exons	10934..11005, 11057..11098, 11103..11180, 11107..11181, 11192..11512, 11193..11510, 11615..11749		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o2.np	Method	AAT/NAP
Start	11053	End	11906
GI	3915029	Score	473
Exons	11053..11525, 11559..11906		
GI Descrip.	ACYL-[ACYL-CARRIER PROTEIN] DESATURASE PRECURSOR (STEAROYL-ACP DESATURASE) gi|976257|dbj|BAA07631| (D38753) stearyl-ACP desaturase [Oryza sativa]		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o1.tc	Method	TBLASTX:Cress
Start	11103	End	11722
GI	none	Score	50
Exons	11103..11180, 11107..11181, 11192..11512, 11193..11510, 11615..11722		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12540	Strand	-
Start	10904	End	12623
Name	OJ991203_01.0128.C11.o1.ts	Method	TBLASTX:Soybean
Start	11103	End	11716
GI	none	Score	157
Exons	11103..11180, 11192..11512, 11208..11513, 11615..11716		

Seq. No.	5927	Seq. ID	OJ991203_01.0128.C11
Gene No.	12541	Strand	
Start	16683	End	16850
Name	OJ991203_01.0128.C11.o4.tm	Method	TBLASTX:Maize
Start	16683	End	16850
GI	none	Score	228
Exons	16683..16850, 16685..16846		

Seq. No.	5928	Seq. ID	OJ990323_12.0103.C1
Gene No.	12542	Strand	-
Start	313	End	1044
Name	OJ990323_12.0103.C1.o1.gs	Method	GENSCAN
Start	313	End	1040
GI	none	Score	.99
Exons	313..537, 648..1040		

Seq. No.	5928	Seq. ID	OJ990323_12.0103.C1
Gene No.	12542	Strand	-
Start	313	End	1044
Name	OJ990323_12.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	343	End	930
GI	none	Score	178
Exons	343..465, 343..531, 633..860, 646..915, 862..930, 864..899, 865..921		

Seq. No.	5928	Seq. ID	OJ990323_12.0103.C1
Gene No.	12542	Strand	-
Start	313	End	1044
Name	OJ990323_12.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	499	End	915
GI	none	Score	46
Exons	499..537, 639..740, 652..741,	756..899,	760..915

Seq. No.	5928	Seq. ID	OJ990323_12.0103.C1
Gene No.	12542	Strand	-
Start	313	End	1044
Name	OJ990323_12.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	499	End	900
GI	none	Score	96
Exons	499..537, 639..800, 646..801,	804..899,	808..900

Seq. No.	5928	Seq. ID	OJ990323_12.0103.C1
Gene No.	12542	Strand	-
Start	313	End	1044
Name	OJ990323_12.0103.C1.o1.gp	Method	AAT/GAP
Start	740	End	1044
GI	none	Score	528
Exons	740..1044		

Seq. No.	5929	Seq. ID	OJ990323_12.0103.C4
Gene No.	12543	Strand	+
Start	231	End	1450
Name	OJ990323_12.0103.C4.o1.np	Method	AAT/NAP
Start	231	End	1450
GI	2190016	Score	151
Exons	231..317, 1161..1450		
GI Descrip.	(AB004269) alliinase [Allium tuberosum]		

Seq. No.	5929	Seq. ID	OJ990323_12.0103.C4
Gene No.	12543	Strand	+
Start	231	End	1450
Name	OJ990323_12.0103.C4.o1.gp	Method	AAT/GAP
Start	988	End	1348
GI	LIB3431-058-P1-K1-D2	Score	643
Exons	988..1348		
GI Descrip.	'15961/emb|CAA78267| 3.0e-22 (Z12621) precursor alliinase [Allium cepa]'		

Seq. No.	5929	Seq. ID	OJ990323_12.0103.C4
Gene No.	12543	Strand	+
Start	231	End	1450
Name	OJ990323_12.0103.C4.o1.gs	Method	GENSCAN
Start	1005	End	1348
GI	none	Score	.78
Exons	1005..1348		

Seq. No.	5929	Seq. ID	OJ990323_12.0103.C4
Gene No.	12543	Strand	+
Start	231	End	1450
Name	OJ990323_12.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	1043	End	1340
GI	none	Score	60

Exons	1043..1117, 1044..1118, 1056..1238, 1152..1241, 1226..1339, 1242..1340		
Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	1510
GI	6630685	Score	1567
Exons	1..1510		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	24	End	484
GI	5509260	Score	563
Exons	24..479, 56..181, 227..484		
GI Descrip.	-		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	36	End	476
GI	none	Score	57
Exons	36..89, 69..470, 131..181, 211..249, 268..471, 290..460, 297..476		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	105	End	365
GI	none	Score	232
Exons	105..365		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	146	End	585
GI	none	Score	490
Exons	146..520, 147..584, 300..524, 532..585		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o1.gs	Method	GENSCAN
Start	242	End	1399
GI	none	Score	.76
Exons	242..446, 531..654, 798..1399		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+

Start	1	End	1522
Name	OJ990323_12.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	660	End	1090
GI	none	Score	66
Exons	660..749, 755..808, 833..1090, 844..972		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	836	End	1492
GI	none	Score	710
Exons	836..1492, 844..1461, 1277..1477		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	854	End	1522
GI	none	Score	288
Exons	854..1243, 958..1200, 1262..1522, 1276..1368, 1423..1446		

Seq. No.	5930	Seq. ID	OJ990323_12.0103.C5
Gene No.	12544	Strand	+
Start	1	End	1522
Name	OJ990323_12.0103.C5.o3.tw	Method	TBLASTX:Wheat
Start	1139	End	1447
GI	none	Score	79
Exons	1139..1252, 1271..1447, 1274..1447		

Seq. No.	5931	Seq. ID	OJ990323_12.0103.C6
Gene No.	12545	Strand	+
Start	19	End	255
Name	OJ990323_12.0103.C6.o1.gs	Method	GENSCAN
Start	19	End	255
GI	none	Score	.9
Exons	19..54, 115..255		

Seq. No.	5932	Seq. ID	OJ990323_12.0103.C9
Gene No.	12546	Strand	+
Start	1	End	1173
Name	OJ990323_12.0103.C9.o1.np	Method	AAT/NAP
Start	1	End	1173
GI	4416302	Score	693
Exons	1..911, 978..1173		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	5932	Seq. ID	OJ990323_12.0103.C9
Gene No.	12546	Strand	+
Start	1	End	1173
Name	OJ990323_12.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	46	End	604
GI	none	Score	115
Exons	46..258, 316..357, 395..604, 425..595, 430..603		

Seq. No.	5932	Seq. ID	OJ990323_12.0103.C9
Gene No.	12546	Strand	+

Start	1	End	1173
Name	OJ990323_12.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	271	End	907
GI	none	Score	87
Exons	271..336, 276..338, 419..760, 424..759, 755..907		

Seq. No.	5932	Seq. ID	OJ990323_12.0103.C9
Gene No.	12546	Strand	+
Start	1	End	1173
Name	OJ990323_12.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	446	End	907
GI	none	Score	254
Exons	446..757, 463..750, 779..907		

Seq. No.	5932	Seq. ID	OJ990323_12.0103.C9
Gene No.	12546	Strand	+
Start	1	End	1173
Name	OJ990323_12.0103.C9.o1.tc	Method	TBLASTX:Cress
Start	463	End	901
GI	none	Score	180
Exons	463..549, 464..754, 464..622, 764..901		

Seq. No.	5933	Seq. ID	OJ990323_12.0103.C12
Gene No.	12547	Strand	-
Start	151	End	319
Name	OJ990323_12.0103.C12.o1.gs	Method	GENSCAN
Start	151	End	319
GI	none	Score	.54
Exons	151..319		

Seq. No.	5934	Seq. ID	OJ990323_12.0103.C17
Gene No.	12548	Strand	-
Start	211	End	329
Name	OJ990323_12.0103.C17.o1.gs	Method	GENSCAN
Start	211	End	329
GI	none	Score	.66
Exons	211..329		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o1.np	Method	AAT/NAP
Start	988	End	9857
GI	6358810	Score	2146
Exons	988..1160, 1406..1514, 2853..2972, 3325..3426, 3692..4041, 4866..5473, 6755..6944, 7432..7538, 8269..8518, 8953..9075, 9435..9602, 9705..9857		
GI Descrip.	(AC010675) putative alpha-amylase [Arabidopsis thaliana]		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o1.gs	Method	GENSCAN
Start	1263	End	6598
GI	none	Score	.83
Exons	1263..1514, 1604..1737, 1963..2059, 2853..2991, 3026..3105, 3724..4041, 4866..5473, 6472..6598		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o3.ts	Method	TBLASTX:Soybean
Start	3667	End	3987
GI	none	Score	54
Exons	3667..3732, 3793..3987, 3798..3986		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o4.tm	Method	TBLASTX:Maize
Start	3917	End	5003
GI	none	Score	216
Exons	3917..4027, 3918..4040, 3919..4041, 4853..4999, 4861..4992, 4869..5003		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o2.tm	Method	TBLASTX:Maize
Start	5178	End	5408
GI	none	Score	365
Exons	5178..5408, 5180..5407		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o2.tc	Method	TBLASTX:Cress
Start	5382	End	7538
GI	none	Score	97
Exons	5382..5441, 5384..5440, 5433..5477, 5435..5476, 6738..6950, 6749..6949, 6753..6956, 7414..7536, 7425..7538, 7432..7536		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o3.tm	Method	TBLASTX:Maize
Start	5408	End	8442
GI	none	Score	129
Exons	5408..5476, 5409..5486, 6736..6945, 6738..6950, 6755..6949, 7425..7517, 7430..7528, 7432..7518, 7512..7544, 7513..7554, 7516..7548, 8266..8442, 8267..8440		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o2.gs	Method	GENSCAN
Start	6765	End	10053
GI	none	Score	.95
Exons	6765..6944, 7432..7538, 8269..8518, 8953..9075, 9435..9602, 9705..9842, 9925..10053		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053

Name	OJ990323_12.0103.C19.o2.ts	Method	TBLASTX:Soybean
Start	7435	End	8520
GI	none	Score	146
Exons	7435..7554, 7437..7604, 8267..8518, 8272..8517, 8285..8518, 8287..8520		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o1.tc	Method	TBLASTX:Cress
Start	8270	End	8524
GI	none	Score	412
Exons	8270..8518, 8272..8508, 8273..8524		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o1.tm	Method	TBLASTX:Maize
Start	8471	End	10036
GI	none	Score	72
Exons	8471..8518, 8909..9082, 8952..9074, 8953..9093, 8956..9081, 9427..9603, 9434..9601, 9435..9611, 9702..9881, 9702..9851, 9704..9886, 9968..10036		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o3.tc	Method	TBLASTX:Cress
Start	8952	End	9794
GI	none	Score	109
Exons	8952..9086, 8952..9071, 8953..9093, 8971..9081, 9425..9592, 9426..9602, 9434..9607, 9435..9602, 9710..9793, 9717..9794		

Seq. No.	5935	Seq. ID	OJ990323_12.0103.C19
Gene No.	12549	Strand	+
Start	988	End	10053
Name	OJ990323_12.0103.C19.o1.ts	Method	TBLASTX:Soybean
Start	8961	End	9871
GI	none	Score	104
Exons	8961..9086, 8961..9071, 8962..9096, 8962..9081, 9425..9535, 9426..9536, 9431..9604, 9435..9611, 9705..9794, 9707..9793, 9791..9871, 9792..9869		

Seq. No.	5936	Seq. ID	OJ990323_12.0103.C20
Gene No.	12550	Strand	+
Start	400	End	680
Name	OJ990323_12.0103.C20.o1.gs	Method	GENSCAN
Start	400	End	680
GI	none	Score	.93
Exons	400..411, 543..680		

Seq. No.	5937	Seq. ID	OJ990323_12.0103.C26
Gene No.	12551	Strand	+
Start	96	End	686
Name	OJ990323_12.0103.C26.o1.gs	Method	GENSCAN
Start	96	End	686
GI	none	Score	.79

Exons	96..160, 260..311, 465..686		
Seq. No.	5938	Seq. ID	OJ990323_12.0103.C28
Gene No.	12552	Strand	+
Start	353	End	525
Name	OJ990323_12.0103.C28.o1.np	Method	AAT/NAP
Start	353	End	525
GI	6721547	Score	86
Exons	353..525		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	5939	Seq. ID	OJ990323_12.0103.C29
Gene No.	12553	Strand	-
Start	407	End	580
Name	OJ990323_12.0103.C29.o1.gs	Method	GENSCAN
Start	407	End	580
GI	none	Score	.97
Exons	407..580		
Seq. No.	5940	Seq. ID	OJ990323_12.0103.C30
Gene No.	12554	Strand	+
Start	1	End	582
Name	OJ990323_12.0103.C30.o1.np	Method	AAT/NAP
Start	1	End	582
GI	6539269	Score	124
Exons	1..70, 407..582		
GI Descrip.	(AC011765) unknown protein [Arabidopsis thaliana]		
Seq. No.	5940	Seq. ID	OJ990323_12.0103.C30
Gene No.	12554	Strand	+
Start	1	End	582
Name	OJ990323_12.0103.C30.o1.tm	Method	TBLASTX:Maize
Start	403	End	556
GI	none	Score	148
Exons	403..549, 406..555, 407..556		
Seq. No.	5940	Seq. ID	OJ990323_12.0103.C30
Gene No.	12554	Strand	+
Start	1	End	582
Name	OJ990323_12.0103.C30.o1.tc	Method	TBLASTX:Cress
Start	404	End	580
GI	none	Score	181
Exons	404..580, 406..564		
Seq. No.	5940	Seq. ID	OJ990323_12.0103.C30
Gene No.	12554	Strand	+
Start	1	End	582
Name	OJ990323_12.0103.C30.o1.gp	Method	AAT/GAP
Start	407	End	582
GI	22827_1.R1084	Score	254
Exons	407..582		
GI Descrip.	'5882749/gb|AAD55302.1|AC008263_33 7.0e-27 (AC008263) Contains 2 PF_00612 IQ calmodulin-binding motif domains. [Arabidopsis thaliana]'		
Seq. No.	5940	Seq. ID	OJ990323_12.0103.C30
Gene No.	12554	Strand	+

Start	1	End	582
Name	OJ990323_12.0103.C30.o1.gs	Method	GENSCAN
Start	407	End	557
GI	none	Score	.84
Exons	407..557		

Seq. No.	5941	Seq. ID	OJ990323_12.0103.C32
Gene No.	12555	Strand	+
Start	320	End	729
Name	OJ990323_12.0103.C32.o1.np	Method	AAT/NAP
Start	320	End	729
GI	6539588	Score	201
Exons	320..624, 700..729		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5941	Seq. ID	OJ990323_12.0103.C32
Gene No.	12555	Strand	+
Start	320	End	729
Name	OJ990323_12.0103.C32.o1.gs	Method	GENSCAN
Start	440	End	628
GI	none	Score	.74
Exons	440..628		

Seq. No.	5942	Seq. ID	OJ990323_12.0103.C33
Gene No.	12556	Strand	-
Start	709	End	985
Name	OJ990323_12.0103.C33.o1.gs	Method	GENSCAN
Start	709	End	985
GI	none	Score	.59
Exons	709..985		

Seq. No.	5943	Seq. ID	OJ990323_12.0103.C34
Gene No.	12557	Strand	+
Start	81	End	489
Name	OJ990323_12.0103.C34.o1.gs	Method	GENSCAN
Start	81	End	390
GI	none	Score	.99
Exons	81..390		

Seq. No.	5943	Seq. ID	OJ990323_12.0103.C34
Gene No.	12557	Strand	+
Start	81	End	489
Name	OJ990323_12.0103.C34.o1.tm	Method	TBLASTX:Maize
Start	96	End	489
GI	none	Score	203
Exons	96..254, 131..223, 306..362, 427..489		

Seq. No.	5944	Seq. ID	OJ990323_12.0103.C38
Gene No.	12558	Strand	+
Start	82	End	722
Name	OJ990323_12.0103.C38.o1.gs	Method	GENSCAN
Start	82	End	722
GI	none	Score	.67
Exons	82..722		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12559	Strand	+

Start	1397	End	4511
Name	OJ990323_12.0103.C39.o1.gs	Method	GENSCAN
Start	1397	End	4511
GI	none	Score	.82
Exons	1397..1539, 1636..3108, 3186..3283, 3386..3510, 3649..3723, 4015..4511		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12560	Strand	+
Start	4801	End	4902
Name	OJ990323_12.0103.C39.o2.gp	Method	AAT/GAP
Start	4801	End	4902
GI	none	Score	119
Exons	4801..4902		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12561	Strand	-
Start	645	End	979
Name	OJ990323_12.0103.C39.o1.gp	Method	AAT/GAP
Start	645	End	979
GI	none	Score	638
Exons	645..979		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12562	Strand	-
Start	5213	End	6370
Name	OJ990323_12.0103.C39.o1.np	Method	AAT/NAP
Start	5177	End	6370
GI	4544372	Score	527
Exons	5177..6370		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12562	Strand	-
Start	5213	End	6370
Name	OJ990323_12.0103.C39.o1.ts	Method	TBLASTX:Soybean
Start	5183	End	5416
GI	none	Score	69
Exons	5183..5404, 5183..5416, 5283..5414		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12562	Strand	-
Start	5213	End	6370
Name	OJ990323_12.0103.C39.o1.tw	Method	TBLASTX:Wheat
Start	5192	End	5599
GI	none	Score	66
Exons	5192..5599, 5226..5369		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12562	Strand	-
Start	5213	End	6370
Name	OJ990323_12.0103.C39.o2.gs	Method	GENSCAN
Start	5213	End	5974
GI	none	Score	.98
Exons	5213..5974		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12562	Strand	-
Start	5213	End	6370
Name	OJ990323_12.0103.C39.o2.tw	Method	TBLASTX:Wheat
Start	5885	End	6159
GI	none	Score	139
Exons	5885..5974, 5986..6159		

Seq. No.	5945	Seq. ID	OJ990323_12.0103.C39
Gene No.	12562	Strand	-
Start	5213	End	6370
Name	OJ990323_12.0103.C39.o1.tm	Method	TBLASTX:Maize
Start	5998	End	6303
GI	none	Score	203
Exons	5998..6303		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12563	Strand	+
Start	6305	End	9705
Name	OJ990323_12.0103.C40.o2.np	Method	AAT/NAP
Start	6305	End	9705
GI	6539263	Score	845
Exons	6305..6330, 7497..8037, 8245..9210, 9622..9705		
GI Descrip.	(AC011765) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12563	Strand	+
Start	6305	End	9705
Name	OJ990323_12.0103.C40.o2.gs	Method	GENSCAN
Start	7426	End	9252
GI	none	Score	.66
Exons	7426..9252		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o1.np	Method	AAT/NAP
Start	1	End	3497
GI	4206306	Score	844
Exons	1..1743, 1859..2408, 3474..3497		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o3.tw	Method	TBLASTX:Wheat
Start	2	End	391
GI	none	Score	38
Exons	2..262, 15..146, 186..251, 302..391		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o2.ts	Method	TBLASTX:Soybean
Start	24	End	436
GI	none	Score	136
Exons	24..278, 26..277, 299..436, 303..434		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o1.gs	Method	GENSCAN
Start	50	End	6656
GI	none	Score	.52
Exons	50..1889, 2005..3478, 3634..4162, 4446..4624, 4748..4837, 5113..5680, 5986..6182, 6542..6656		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o3.ts	Method	TBLASTX:Soybean
Start	587	End	1057
GI	none	Score	86
Exons	587..775, 600..731, 776..1057, 945..1019		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o4.tw	Method	TBLASTX:Wheat
Start	674	End	1072
GI	none	Score	194
Exons	674..775, 737..1072		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o1.tm	Method	TBLASTX:Maize
Start	743	End	1204
GI	none	Score	76
Exons	743..1204, 744..863, 809..1204		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o1.tw	Method	TBLASTX:Wheat
Start	1073	End	1477
GI	none	Score	183
Exons	1073..1351, 1080..1187, 1094..1426, 1116..1418, 1333..1419, 1421..1477, 1431..1472		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o3.tm	Method	TBLASTX:Maize
Start	1205	End	1423
GI	none	Score	181
Exons	1205..1423, 1206..1418		

Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o6.ts	Method	TBLASTX:Soybean
Start	1274	End	1639
GI	none	Score	75

Exons	1274..1408, 1415..1639, 1416..1628		
Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12564	Strand	-
Start	1	End	6656
Name	OJ990323_12.0103.C40.o5.ts	Method	TBLASTX:Soybean
Start	1989	End	2387
GI	none	Score	204
Exons	1989..2387		
Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12565	Strand	
Start	7534	End	9240
Name	OJ990323_12.0103.C40.o2.tm	Method	TBLASTX:Maize
Start	7534	End	9240
GI	none	Score	35
Exons	7534..7674, 7680..7760, 7690..7947, 7708..7959, 7734..7946, 7741..7812, 7767..7919, 7788..7925, 7789..7959, 7885..8052, 7888..8094, 7888..8136, 7920..8093, 8065..8163, 8173..8382, 8179..8418, 8182..8349, 8190..8381, 8272..8442, 8365..9240, 8368..8688, 8494..8601, 8644..8811		
Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12565	Strand	
Start	7534	End	9240
Name	OJ990323_12.0103.C40.o1.tc	Method	TBLASTX:Cress
Start	7690	End	8775
GI	none	Score	252
Exons	7690..8139, 7693..7842, 7735..7971, 7893..8057, 7894..8064, 8068..8133, 8140..8271, 8170..8661, 8173..8349, 8187..8348, 8227..8652, 8334..8432, 8341..8421, 8437..8643, 8482..8667, 8484..8663, 8536..8736, 8656..8775, 8671..8775		
Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12565	Strand	
Start	7534	End	9240
Name	OJ990323_12.0103.C40.o2.tw	Method	TBLASTX:Wheat
Start	7696	End	8793
GI	none	Score	151
Exons	7696..7956, 7784..7855, 7794..7955, 7894..8136, 8020..8184, 8067..8147, 8176..8409, 8326..8793, 8346..8735, 8643..8738		
Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12565	Strand	
Start	7534	End	9240
Name	OJ990323_12.0103.C40.o4.ts	Method	TBLASTX:Soybean
Start	7818	End	8673
GI	none	Score	97
Exons	7818..7961, 7819..7962, 7870..7992, 7912..8136, 7917..8132, 8182..8292, 8212..8595, 8514..8672, 8515..8673		
Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12565	Strand	
Start	7534	End	9240
Name	OJ990323_12.0103.C40.o1.ts	Method	TBLASTX:Soybean
Start	8674	End	9171
GI	none	Score	367

Exons	8674..9171, 9006..9170		
Seq. No.	5946	Seq. ID	OJ990323_12.0103.C40
Gene No.	12565	Strand	
Start	7534	End	9240
Name	OJ990323_12.0103.C40.o2.tc	Method	TBLASTX:Cress
Start	8779	End	9099
GI	none	Score	213
Exons	8779..9099, 8790..8897		
Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12566	Strand	+
Start	1297	End	1595
Name	OJ990323_12.0103.C41.o1.gp	Method	AAT/GAP
Start	1297	End	1595
GI	uC-osflcyp141h11b1	Score	574
Exons	1297..1595		
GI Descrip.	'4151319 1.0e-34 (AF089084) putative auxin efflux carrier protein; AtPIN1 [Arabidopsis thaliana]'		
Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12567	Strand	+
Start	6769	End	9323
Name	OJ990323_12.0103.C41.o3.np	Method	AAT/NAP
Start	6769	End	9232
GI	3377509	Score	670
Exons	6769..7276, 7544..8441, 8535..8620, 8738..8895, 8991..9067, 9169..9232		
GI Descrip.	(AF056027) auxin transport protein REH1 [Oryza sativa]		
Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12567	Strand	+
Start	6769	End	9323
Name	OJ990323_12.0103.C41.o2.gp	Method	AAT/GAP
Start	8549	End	9323
GI	2311558	Score	841
Exons	8549..8620, 8738..8895, 8991..9067, 9169..9323		
GI Descrip.	4151319 1.0e-34 (AF089084) putative auxin efflux carrier protein; AtPIN1 [Arabidopsis thaliana]		
Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o4.ts	Method	TBLASTX:Soybean
Start	2054	End	2315
GI	none	Score	81
Exons	2054..2185, 2090..2170, 2094..2234, 2094..2315		
Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o3.tm	Method	TBLASTX:Maize
Start	2085	End	2384
GI	none	Score	339
Exons	2085..2384		
Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41

Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o1.tc	Method	TBLASTX:Cress
Start	2091	End	2628
GI	none	Score	125
Exons	2091..2627, 2094..2384, 2443..2628		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o1.np	Method	AAT/NAP
Start	2097	End	5237
GI	2244839	Score	1102
Exons	2097..3546, 5156..5237		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o2.ts	Method	TBLASTX:Soybean
Start	2319	End	2855
GI	none	Score	147
Exons	2319..2855, 2479..2820		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o1.tm	Method	TBLASTX:Maize
Start	2385	End	3548
GI	none	Score	89
Exons	2385..3212, 2434..2634, 2713..3090, 2883..3194, 3006..3194, 3016..3195, 3135..3329, 3153..3398, 3207..3398, 3240..3404, 3276..3392, 3342..3416, 3474..3548, 3475..3546		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o1.tw	Method	TBLASTX:Wheat
Start	2788	End	3414
GI	none	Score	237
Exons	2788..3216, 2790..3269, 3153..3413, 3157..3414		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o3.tc	Method	TBLASTX:Cress
Start	2814	End	3416
GI	none	Score	64
Exons	2814..2936, 2815..2925, 2823..3044, 2922..3209, 2934..3413, 2935..3336, 3240..3371, 3249..3416		

Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12568	Strand	-
Start	2097	End	5237
Name	OJ990323_12.0103.C41.o5.ts	Method	TBLASTX:Soybean
Start	2868	End	3401
GI	none	Score	81

Exons	2868..3023, 2955..3104, 2962..3108, 3114..3326, 3165..3323, 3258..3401		
Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12569	Strand	
Start	6738	End	9226
Name	OJ990323_12.0103.C41.o4.tm	Method	TBLASTX:Maize
Start	6738	End	7109
GI	none	Score	328
Exons	6738..7109, 6739..7107		
Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12569	Strand	
Start	6738	End	9226
Name	OJ990323_12.0103.C41.o2.tc	Method	TBLASTX:Cress
Start	6765	End	9217
GI	none	Score	272
Exons	6765..7241, 6769..7017, 7063..7239, 8356..8445, 8364..8444, 8532..8621, 8533..8622, 8736..8891, 8737..8895, 8985..9068, 8987..9067, 9146..9217		
Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12569	Strand	
Start	6738	End	9226
Name	OJ990323_12.0103.C41.o1.ts	Method	TBLASTX:Soybean
Start	6772	End	7212
GI	none	Score	493
Exons	6772..7212, 6772..7011, 6774..7208		
Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12569	Strand	
Start	6738	End	9226
Name	OJ990323_12.0103.C41.o3.ts	Method	TBLASTX:Soybean
Start	8293	End	9226
GI	none	Score	98
Exons	8293..8445, 8364..8453, 8532..8621, 8533..8622, 8736..8891, 8737..8895, 8766..8897, 8980..9057, 8985..9065, 8986..9057, 8987..9064, 9146..9226		
Seq. No.	5947	Seq. ID	OJ990323_12.0103.C41
Gene No.	12569	Strand	
Start	6738	End	9226
Name	OJ990323_12.0103.C41.o2.tm	Method	TBLASTX:Maize
Start	8356	End	9226
GI	none	Score	94
Exons	8356..8445, 8533..8622, 8535..8621, 8736..8894, 8737..8895, 8985..9065, 8990..9064, 9170..9226		
Seq. No.	5948	Seq. ID	OJ990323_12.0103.C42
Gene No.	12570	Strand	+
Start	1093	End	2477
Name	OJ990323_12.0103.C42.o1.np	Method	AAT/NAP
Start	1093	End	2477
GI	5929932	Score	115
Exons	1093..1144, 1292..1363, 2390..2477		
GI Descrip.	(AF178952) voltage-dependent anion channel protein 2 [Zea mays]		

Seq. No.	5949	Seq. ID	OJ990323_12.0103.C43
Gene No.	12571	Strand	+
Start	1	End	747
Name	OJ990323_12.0103.C43.o1.np	Method	AAT/NAP
Start	1	End	747
GI	5929932	Score	72
Exons	1..99, 485..617, 679..747		
GI Descrip.	(AF178952) voltage-dependent anion channel protein 2 [Zea mays]		

Seq. No.	5950	Seq. ID	OJ990323_12.0103.C44
Gene No.	12572	Strand	-
Start	446	End	754
Name	OJ990323_12.0103.C44.o1.gp	Method	AAT/GAP
Start	446	End	754
GI	none	Score	561
Exons	446..754		

Seq. No.	5951	Seq. ID	OJ990323_12.0103.C45
Gene No.	12573	Strand	+
Start	82	End	185
Name	OJ990323_12.0103.C45.o1.gs	Method	GENSCAN
Start	82	End	185
GI	none	Score	.69
Exons	82..185		

Seq. No.	5952	Seq. ID	OJ990323_12.0103.C47
Gene No.	12574	Strand	-
Start	1	End	741
Name	OJ990323_12.0103.C47.o1.np	Method	AAT/NAP
Start	1	End	741
GI	6682606	Score	220
Exons	1..32, 130..322, 630..741		
GI Descrip.	(AC016163) putative inositol polyphosphate phosphatase, 5' partial [Arabidopsis thaliana]		

Seq. No.	5952	Seq. ID	OJ990323_12.0103.C47
Gene No.	12574	Strand	-
Start	1	End	741
Name	OJ990323_12.0103.C47.o1.tm	Method	TBLASTX:Maize
Start	107	End	671
GI	none	Score	194
Exons	107..325, 138..323, 140..325, 624..671		

Seq. No.	5952	Seq. ID	OJ990323_12.0103.C47
Gene No.	12574	Strand	-
Start	1	End	741
Name	OJ990323_12.0103.C47.o1.ts	Method	TBLASTX:Soybean
Start	152	End	671
GI	none	Score	63
Exons	152..325, 186..323, 624..671		

Seq. No.	5952	Seq. ID	OJ990323_12.0103.C47
Gene No.	12574	Strand	-
Start	1	End	741
Name	OJ990323_12.0103.C47.o1.tc	Method	TBLASTX:Cress
Start	173	End	671
GI	none	Score	89

Exons	173..325, 179..316, 196..324, 624..671		
Seq. No.	5953	Seq. ID	OJ990323_12.0103.C50
Gene No.	12575	Strand	-
Start	1	End	827
Name	OJ990323_12.0103.C50.o1.np	Method	AAT/NAP
Start	1	End	753
GI	6006359	Score	67
Exons	1..37, 656..753		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	5953	Seq. ID	OJ990323_12.0103.C50
Gene No.	12575	Strand	-
Start	1	End	827
Name	OJ990323_12.0103.C50.o1.gs	Method	GENSCAN
Start	597	End	827
GI	none	Score	.61
Exons	597..827		
Seq. No.	5954	Seq. ID	OJ990323_12.0103.C51
Gene No.	12576	Strand	+
Start	353	End	664
Name	OJ990323_12.0103.C51.o1.gs	Method	GENSCAN
Start	353	End	664
GI	none	Score	.4
Exons	353..404, 615..664		
Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12577	Strand	+
Start	558	End	1241
Name	OJ990323_12.0103.C52.o1.gs	Method	GENSCAN
Start	558	End	1241
GI	none	Score	.84
Exons	558..1241		
Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o2.gs	Method	GENSCAN
Start	1852	End	5835
GI	none	Score	.78
Exons	1852..2000, 2314..2462, 2611..2645, 2757..2860, 3039..3086, 3193..3310, 3817..4012, 4094..4215, 5414..5581, 5608..5835		
Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o1.gp	Method	AAT/GAP
Start	2106	End	5473
GI	10475_1.R1084	Score	2132
Exons	2106..2645, 2757..2860, 3039..3086, 3193..3310, 3817..4012, 4094..4215, 5414..5473		
GI Descrip.	'1438883 9.0e-93 (U43840) GmCK3p [Glycine max]'		
Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075

Name	OJ990323_12.0103.C52.o3.tm	Method	TBLASTX:Maize
Start	2458	End	2857
GI	none	Score	91
Exons	2458..2499, 2510..2551, 2540..2647, 2562..2654, 2755..2829, 2755..2850, 2756..2857, 2757..2855		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o1.tw	Method	TBLASTX:Wheat
Start	2472	End	3249
GI	none	Score	49
Exons	2472..2513, 2474..2515, 2508..2528, 2509..2535, 2544..2654, 2545..2610, 2548..2655, 2549..2647, 2751..2852, 2755..2850, 2757..2855, 3040..3087, 3041..3088, 3169..3249, 3194..3244		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o1.ts	Method	TBLASTX:Soybean
Start	2517	End	5824
GI	none	Score	69
Exons	2517..2654, 2757..2855, 2758..2814, 3034..3087, 3190..3306, 3194..3322, 3195..3311, 3815..4012, 3817..4014, 4093..4218, 4103..4216, 5414..5572, 5418..5504, 5644..5823, 5654..5824		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o1.np	Method	AAT/NAP
Start	2541	End	5814
GI	6939222	Score	981
Exons	2541..2645, 2757..2856, 3038..3086, 3193..3310, 3817..4012, 4094..4215, 5414..5575, 5622..5814		
GI Descrip.	(AC020579) putative choline kinase [Arabidopsis thaliana]		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o2.tc	Method	TBLASTX:Cress
Start	2553	End	3322
GI	none	Score	79
Exons	2553..2654, 2582..2647, 2754..2828, 2755..2829, 2757..2849, 3182..3322, 3192..3311		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o1.tm	Method	TBLASTX:Maize
Start	3062	End	5515
GI	none	Score	42
Exons	3062..3088, 3064..3087, 3204..3311, 3204..3302, 3206..3325, 3815..4015, 3817..4017, 3817..4014, 3819..4016, 4091..4216, 4093..4218, 5414..5515		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-

Start	1852	End	6075
Name	OJ990323_12.0103.C52.o1.tc	Method	TBLASTX:Cress
Start	5414	End	5718
GI	none	Score	97
Exons	5414..5536, 5537..5572, 5644..5718		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o2.tm	Method	TBLASTX:Maize
Start	5516	End	5844
GI	none	Score	95
Exons	5516..5593, 5516..5578, 5626..5796, 5627..5800, 5779..5844, 5783..5842		

Seq. No.	5955	Seq. ID	OJ990323_12.0103.C52
Gene No.	12578	Strand	-
Start	1852	End	6075
Name	OJ990323_12.0103.C52.o2.gp	Method	AAT/GAP
Start	5592	End	6075
GI	14600_1.R1084	Score	888
Exons	5592..6075		
GI Descrip.	'1438883 6.0e-11 (U43840) GmCK3p [Glycine max]'		

Seq. No.	5956	Seq. ID	OJ990323_12.0103.C53
Gene No.	12579	Strand	+
Start	6704	End	8015
Name	OJ990323_12.0103.C53.o2.gs	Method	GENSCAN
Start	6704	End	8015
GI	none	Score	.46
Exons	6704..6940, 7438..7659, 7935..8015		

Seq. No.	5957	Seq. ID	OJ990323_12.0103.C54
Gene No.	12580	Strand	-
Start	1	End	1075
Name	OJ990323_12.0103.C54.o1.np	Method	AAT/NAP
Start	1	End	1075
GI	5852175	Score	72
Exons	1..92, 619..754, 1045..1075		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	5958	Seq. ID	OJ990323_12.0103.C55
Gene No.	12581	Strand	+
Start	1099	End	1884
Name	OJ990323_12.0103.C55.o1.gs	Method	GENSCAN
Start	1099	End	1884
GI	none	Score	.93
Exons	1099..1294, 1330..1406, 1429..1884		

Seq. No.	5958	Seq. ID	OJ990323_12.0103.C55
Gene No.	12582	Strand	+
Start	2939	End	4329
Name	OJ990323_12.0103.C55.o2.gs	Method	GENSCAN
Start	2939	End	4051
GI	none	Score	.83
Exons	2939..2944, 3234..3344, 3367..3484, 3627..4051		

Seq. No.	5958	Seq. ID	OJ990323_12.0103.C55
Gene No.	12582	Strand	+
Start	2939	End	4329
Name	OJ990323_12.0103.C55.o1.np	Method	AAT/NAP
Start	3207	End	4329
GI	6539588	Score	210
Exons	3207..3513, 4191..4329		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5959	Seq. ID	OJ990323_12.0103.C57
Gene No.	12583	Strand	+
Start	432	End	599
Name	OJ990323_12.0103.C57.o1.gs	Method	GENSCAN
Start	432	End	599
GI	none	Score	.81
Exons	432..599		

Seq. No.	5960	Seq. ID	OJ990323_12.0103.C62
Gene No.	12584	Strand	-
Start	13	End	550
Name	OJ990323_12.0103.C62.o1.gs	Method	GENSCAN
Start	13	End	550
GI	none	Score	.9
Exons	13..550		

Seq. No.	5961	Seq. ID	OJ990323_12.0103.C63
Gene No.	12585	Strand	-
Start	1	End	668
Name	OJ990323_12.0103.C63.o1.np	Method	AAT/NAP
Start	1	End	650
GI	6358810	Score	128
Exons	1..69, 544..650		
GI Descrip.	(AC010675) putative alpha-amylase [Arabidopsis thaliana]		

Seq. No.	5961	Seq. ID	OJ990323_12.0103.C63
Gene No.	12585	Strand	-
Start	1	End	668
Name	OJ990323_12.0103.C63.o1.gs	Method	GENSCAN
Start	544	End	650
GI	none	Score	.64
Exons	544..650		

Seq. No.	5961	Seq. ID	OJ990323_12.0103.C63
Gene No.	12585	Strand	-
Start	1	End	668
Name	OJ990323_12.0103.C63.o1.tc	Method	TBLASTX:Cress
Start	544	End	668
GI	none	Score	163
Exons	544..657, 546..668, 546..650		

Seq. No.	5962	Seq. ID	OJ990323_12.0103.C64
Gene No.	12586	Strand	-
Start	1	End	460
Name	OJ990323_12.0103.C64.o1.np	Method	AAT/NAP
Start	1	End	448
GI	6598588	Score	209
Exons	1..448		

GI Descrip. (AC006228) F5J5.14 [Arabidopsis thaliana]

Seq. No.	5962	Seq. ID	OJ990323_12.0103.C64
Gene No.	12586	Strand	-
Start	1	End	460
Name	OJ990323_12.0103.C64.o1.gs	Method	GENSCAN
Start	166	End	460
GI	none	Score	.95
Exons	166..241, 258..460		

Seq. No.	5963	Seq. ID	OJ990323_12.0103.C65
Gene No.	12587	Strand	-
Start	432	End	589
Name	OJ990323_12.0103.C65.o1.gs	Method	GENSCAN
Start	432	End	589
GI	none	Score	.42
Exons	432..589		

Seq. No.	5964	Seq. ID	OJ990323_12.0103.C67
Gene No.	12588	Strand	-
Start	1	End	463
Name	OJ990323_12.0103.C67.o1.np	Method	AAT/NAP
Start	1	End	463
GI	4633652	Score	188
Exons	1..463		
GI Descrip.	(AF124405) alliinase precursor [Allium cepa]		

Seq. No.	5964	Seq. ID	OJ990323_12.0103.C67
Gene No.	12588	Strand	-
Start	1	End	463
Name	OJ990323_12.0103.C67.o1.gs	Method	GENSCAN
Start	76	End	450
GI	none	Score	.42
Exons	76..450		

Seq. No.	5964	Seq. ID	OJ990323_12.0103.C67
Gene No.	12588	Strand	-
Start	1	End	463
Name	OJ990323_12.0103.C67.o1.gp	Method	AAT/GAP
Start	136	End	331
GI	97415_1.R1084	Score	369
Exons	136..331		
GI Descrip.	'166341 8.0e-37 (M98267) alliinase [Allium cepa] >gi_1044969 (L48614) allinase [Allium cepa]'		

Seq. No.	5964	Seq. ID	OJ990323_12.0103.C67
Gene No.	12588	Strand	-
Start	1	End	463
Name	OJ990323_12.0103.C67.o1.tc	Method	TBLASTX:Cress
Start	139	End	438
GI	none	Score	170
Exons	139..438, 140..436		

Seq. No.	5964	Seq. ID	OJ990323_12.0103.C67
Gene No.	12588	Strand	-
Start	1	End	463
Name	OJ990323_12.0103.C67.o1.ts	Method	TBLASTX:Soybean

Start	241	End	436
GI	none	Score	103
Exons	241..435, 242..436		

Seq. No.	5965	Seq. ID	OJ990323_12.0103.C68
Gene No.	12589	Strand	+
Start	1	End	214
Name	OJ990323_12.0103.C68.o1.np	Method	AAT/NAP
Start	1	End	214
GI	5777617	Score	98
Exons	1..214		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	5966	Seq. ID	OJ990323_12.0103.C69
Gene No.	12590	Strand	-
Start	1	End	703
Name	OJ990323_12.0103.C69.o1.np	Method	AAT/NAP
Start	1	End	703
GI	2190016	Score	157
Exons	1..214, 630..703		
GI Descrip.	(AB004269) alliinase [Allium tuberosum]		

Seq. No.	5966	Seq. ID	OJ990323_12.0103.C69
Gene No.	12590	Strand	-
Start	1	End	703
Name	OJ990323_12.0103.C69.o1.gs	Method	GENSCAN
Start	27	End	370
GI	none	Score	.99
Exons	27..370		

Seq. No.	5966	Seq. ID	OJ990323_12.0103.C69
Gene No.	12590	Strand	-
Start	1	End	703
Name	OJ990323_12.0103.C69.o1.tm	Method	TBLASTX:Maize
Start	27	End	362
GI	none	Score	163
Exons	27..149, 27..131, 29..148, 134..268, 188..217, 248..361, 258..362		

Seq. No.	5967	Seq. ID	OJ990323_12.0103.C70
Gene No.	12591	Strand	+
Start	1	End	587
Name	OJ990323_12.0103.C70.o1.np	Method	AAT/NAP
Start	1	End	587
GI	4416302	Score	607
Exons	1..587		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	5967	Seq. ID	OJ990323_12.0103.C70
Gene No.	12591	Strand	+
Start	1	End	587
Name	OJ990323_12.0103.C70.o1.tm	Method	TBLASTX:Maize
Start	1	End	577
GI	none	Score	619
Exons	1..555, 2..577, 371..571		

Seq. No.	5967	Seq. ID	OJ990323_12.0103.C70

Gene No.	12591	Strand	+
Start	1	End	587
Name	OJ990323_12.0103.C70.o1.ts	Method	TBLASTX:Soybean
Start	2	End	580
GI	none	Score	226
Exons	2..337, 52..294, 356..580, 370..462, 517..540		

Seq. No.	5967	Seq. ID	OJ990323_12.0103.C70
Gene No.	12591	Strand	+
Start	1	End	587
Name	OJ990323_12.0103.C70.o1.tw	Method	TBLASTX:Wheat
Start	86	End	541
GI	none	Score	111
Exons	86..346, 365..541, 368..541		

Seq. No.	5968	Seq. ID	OJ990323_12.0103.C71
Gene No.	12592	Strand	+
Start	80	End	528
Name	OJ990323_12.0103.C71.o1.gs	Method	GENSCAN
Start	80	End	528
GI	none	Score	.72
Exons	80..153, 307..528		

Seq. No.	5969	Seq. ID	OJ990323_12.0103.C73
Gene No.	12593	Strand	+
Start	1	End	552
Name	OJ990323_12.0103.C73.o1.np	Method	AAT/NAP
Start	1	End	552
GI	81286	Score	164
Exons	1..552		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	5969	Seq. ID	OJ990323_12.0103.C73
Gene No.	12593	Strand	+
Start	1	End	552
Name	OJ990323_12.0103.C73.o1.gs	Method	GENSCAN
Start	265	End	399
GI	none	Score	.42
Exons	265..399		

Seq. No.	5970	Seq. ID	OJ990323_12.0103.C74
Gene No.	12594	Strand	+
Start	283	End	704
Name	OJ990323_12.0103.C74.o1.gs	Method	GENSCAN
Start	283	End	704
GI	none	Score	.55
Exons	283..704		

Seq. No.	5971	Seq. ID	OJ990323_12.0103.C78
Gene No.	12595	Strand	-
Start	85	End	352
Name	OJ990323_12.0103.C78.o1.gs	Method	GENSCAN
Start	85	End	352
GI	none	Score	.82
Exons	85..352		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12596	Strand	+
Start	181	End	635
Name	OJ990323_12.0103.C79.o1.gs	Method	GENSCAN
Start	181	End	409
GI	none	Score	.94
Exons	181..409		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12596	Strand	+
Start	181	End	635
Name	OJ990323_12.0103.C79.o1.np	Method	AAT/NAP
Start	181	End	635
GI	1705678	Score	312
Exons	181..409, 603..635		
GI Descrip.	CELL DIVISION CYCLE PROTEIN 48 HOMOLOG (VALOSIN CONTAINING PROTEIN HOMOLOG) (VCP) gi|862480 (U20213) valosin-containing protein [Glycine max]		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12597	Strand	-
Start	179	End	423
Name	OJ990323_12.0103.C79.o1.tc	Method	TBLASTX:Cress
Start	178	End	410
GI	none	Score	380
Exons	178..408, 180..407, 234..410, 293..409		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12597	Strand	-
Start	179	End	423
Name	OJ990323_12.0103.C79.o1.tw	Method	TBLASTX:Wheat
Start	178	End	423
GI	none	Score	271
Exons	178..369, 178..423		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12597	Strand	-
Start	179	End	423
Name	OJ990323_12.0103.C79.o1.tm	Method	TBLASTX:Maize
Start	178	End	410
GI	none	Score	382
Exons	178..408, 180..407, 234..410		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12597	Strand	-
Start	179	End	423
Name	OJ990323_12.0103.C79.o1.ts	Method	TBLASTX:Soybean
Start	178	End	410
GI	none	Score	381
Exons	178..408, 180..407, 231..410, 287..409		

Seq. No.	5972	Seq. ID	OJ990323_12.0103.C79
Gene No.	12597	Strand	-
Start	179	End	423
Name	OJ990323_12.0103.C79.o1.gp	Method	AAT/GAP
Start	179	End	383
GI	24991_1.R1084	Score	390

Exons	179..383		
GI Descrip.	'1705678/sp|P54774|CC48_SOYBN 7.0e-61 CELL DIVISION CYCLE PROTEIN 48 HOMOLOG (VALOSIN CONTAINING PROTEIN HOMOLOG) (VCP) >gi_862480 (U20213) valosin-containing protein [Glycine max]'		
Seq. No.	5973	Seq. ID	OJ990323_12.0103.C80
Gene No.	12598	Strand	
Start	3	End	145
Name	OJ990323_12.0103.C80.o1.tm	Method	TBLASTX:Maize
Start	3	End	145
GI	none	Score	109
Exons	3..80, 3..95, 65..145, 74..142, 75..143, 76..144		
Seq. No.	5974	Seq. ID	OJ990323_12.0103.C82
Gene No.	12599	Strand	+
Start	222	End	544
Name	OJ990323_12.0103.C82.o1.tm	Method	TBLASTX:Maize
Start	193	End	490
GI	none	Score	151
Exons	193..312, 200..316, 209..316, 226..318, 396..488, 398..487, 400..489, 431..490		
Seq. No.	5974	Seq. ID	OJ990323_12.0103.C82
Gene No.	12599	Strand	+
Start	222	End	544
Name	OJ990323_12.0103.C82.o1.tc	Method	TBLASTX:Cress
Start	221	End	490
GI	none	Score	127
Exons	221..316, 224..322, 225..323, 398..487, 400..489, 431..490		
Seq. No.	5974	Seq. ID	OJ990323_12.0103.C82
Gene No.	12599	Strand	+
Start	222	End	544
Name	OJ990323_12.0103.C82.o1.ts	Method	TBLASTX:Soybean
Start	221	End	496
GI	none	Score	118
Exons	221..316, 225..326, 226..306, 395..487, 397..489, 431..496		
Seq. No.	5974	Seq. ID	OJ990323_12.0103.C82
Gene No.	12599	Strand	+
Start	222	End	544
Name	OJ990323_12.0103.C82.o1.gp	Method	AAT/GAP
Start	222	End	487
GI	148_1.R1084	Score	291
Exons	222..316, 401..487		
GI Descrip.	'5931625/dbj|BAA84717.1| 1.0e-106 (AB032761) rab5B [Oryza sativa]'		
Seq. No.	5974	Seq. ID	OJ990323_12.0103.C82
Gene No.	12599	Strand	+
Start	222	End	544
Name	OJ990323_12.0103.C82.o1.np	Method	AAT/NAP
Start	222	End	523
GI	5931625	Score	220
Exons	222..316, 401..523		
GI Descrip.	(AB032761) rab5B [Oryza sativa]		

Seq. No.	5974	Seq. ID	OJ990323_12.0103.C82
Gene No.	12599	Strand	+
Start	222	End	544
Name	OJ990323_12.0103.C82.o1.gs	Method	GENSCAN
Start	227	End	544
GI	none	Score	.57
Exons	227..316, 401..544		

Seq. No.	5975	Seq. ID	OJ990323_12.0103.C83
Gene No.	12600	Strand	-
Start	1	End	614
Name	OJ990323_12.0103.C83.o1.np	Method	AAT/NAP
Start	1	End	614
GI	6815062	Score	203
Exons	1..123, 238..614		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	5975	Seq. ID	OJ990323_12.0103.C83
Gene No.	12600	Strand	-
Start	1	End	614
Name	OJ990323_12.0103.C83.o1.tw	Method	TBLASTX:Wheat
Start	238	End	612
GI	none	Score	66
Exons	238..435, 315..398, 334..423, 380..427, 448..612, 476..601		

Seq. No.	5976	Seq. ID	OJ990323_12.0103.C84
Gene No.	12601	Strand	-
Start	1	End	683
Name	OJ990323_12.0103.C84.o1.np	Method	AAT/NAP
Start	1	End	672
GI	5931625	Score	330
Exons	1..80, 176..275, 394..477, 574..672		
GI Descrip.	(AB032761) rab5B [Oryza sativa]		

Seq. No.	5976	Seq. ID	OJ990323_12.0103.C84
Gene No.	12601	Strand	-
Start	1	End	683
Name	OJ990323_12.0103.C84.o1.tc	Method	TBLASTX:Cress
Start	174	End	529
GI	none	Score	138
Exons	174..278, 178..276, 370..465, 373..465, 389..529		

Seq. No.	5976	Seq. ID	OJ990323_12.0103.C84
Gene No.	12601	Strand	-
Start	1	End	683
Name	OJ990323_12.0103.C84.o1.tm	Method	TBLASTX:Maize
Start	177	End	652
GI	none	Score	154
Exons	177..278, 178..276, 369..479, 370..465, 371..529, 384..479, 575..595, 604..651, 605..652		

Seq. No.	5976	Seq. ID	OJ990323_12.0103.C84
Gene No.	12601	Strand	-
Start	1	End	683
Name	OJ990323_12.0103.C84.o1.ts	Method	TBLASTX:Soybean

Start	177	End	497
GI	none	Score	126
Exons	177..278, 178..276, 370..465,	371..490,	405..497

Seq. No.	5976	Seq. ID	OJ990323_12.0103.C84
Gene No.	12601	Strand	-
Start	1	End	683
Name	OJ990323_12.0103.C84.o1.gp	Method	AAT/GAP
Start	178	End	683
GI	148_1.R1084	Score	437
Exons	178..275, 394..477, 574..683		
GI Descrip.	'5931625/dbj|BAA84717.1| 1.0e-106 (AB032761) rab5B [Oryza sativa]'		

Seq. No.	5976	Seq. ID	OJ990323_12.0103.C84
Gene No.	12601	Strand	-
Start	1	End	683
Name	OJ990323_12.0103.C84.o1.gs	Method	GENSCAN
Start	181	End	477
GI	none	Score	.97
Exons	181..275, 394..477		

Seq. No.	5977	Seq. ID	OJ990323_12.0103.C85
Gene No.	12602	Strand	-
Start	550	End	705
Name	OJ990323_12.0103.C85.o1.gs	Method	GENSCAN
Start	550	End	705
GI	none	Score	.98
Exons	550..705		

Seq. No.	5978	Seq. ID	OJ990323_12.0103.C86
Gene No.	12603	Strand	-
Start	447	End	635
Name	OJ990323_12.0103.C86.o1.gp	Method	AAT/GAP
Start	447	End	635
GI	5004678	Score	311
Exons	447..635		

Seq. No.	5979	Seq. ID	OJ990323_12.0103.C88
Gene No.	12604	Strand	-
Start	555	End	718
Name	OJ990323_12.0103.C88.o1.np	Method	AAT/NAP
Start	555	End	718
GI	6815099	Score	103
Exons	555..718		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5980	Seq. ID	OJ990323_12.0103.C89
Gene No.	12605	Strand	-
Start	64	End	244
Name	OJ990323_12.0103.C89.o1.gs	Method	GENSCAN
Start	64	End	244
GI	none	Score	.96
Exons	64..244		

Seq. No.	5981	Seq. ID	OJ990323_12.0103.C91
Gene No.	12606	Strand	+

Start	1	End	967
Name	OJ990323_12.0103.C91.o1.np	Method	AAT/NAP
Start	1	End	967
GI	3426064	Score	68
Exons	1..23, 145..322, 936..967		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi|4467141|emb|CAB37510| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	5981	Seq. ID	OJ990323_12.0103.C91
Gene No.	12606	Strand	+
Start	1	End	967
Name	OJ990323_12.0103.C91.o1.tm	Method	TBLASTX:Maize
Start	142	End	280
GI	none	Score	177
Exons	142..264, 143..280		

Seq. No.	5981	Seq. ID	OJ990323_12.0103.C91
Gene No.	12606	Strand	+
Start	1	End	967
Name	OJ990323_12.0103.C91.o1.tw	Method	TBLASTX:Wheat
Start	142	End	280
GI	none	Score	172
Exons	142..267, 143..280		

Seq. No.	5982	Seq. ID	OJ990323_12.0103.C97
Gene No.	12607	Strand	-
Start	181	End	429
Name	OJ990323_12.0103.C97.o1.gs	Method	GENSCAN
Start	181	End	429
GI	none	Score	.55
Exons	181..429		

Seq. No.	5983	Seq. ID	OJ990323_12.0103.C99
Gene No.	12608	Strand	-
Start	1	End	226
Name	OJ990323_12.0103.C99.o1.np	Method	AAT/NAP
Start	1	End	226
GI	3426062	Score	98
Exons	1..226		
GI Descrip.	(AJ007587) monooxygenase [Arabidopsis thaliana]		

Seq. No.	5983	Seq. ID	OJ990323_12.0103.C99
Gene No.	12608	Strand	-
Start	1	End	226
Name	OJ990323_12.0103.C99.o1.tw	Method	TBLASTX:Wheat
Start	58	End	225
GI	none	Score	92
Exons	58..225, 59..163, 67..174		

Seq. No.	5983	Seq. ID	OJ990323_12.0103.C99
Gene No.	12608	Strand	-
Start	1	End	226
Name	OJ990323_12.0103.C99.o1.gs	Method	GENSCAN
Start	61	End	179
GI	none	Score	.52
Exons	61..179		

Seq. No.	5984	Seq. ID	OJ990323_12.0103.C101
Gene No.	12609	Strand	+
Start	107	End	267
Name	OJ990323_12.0103.C101.o1.gp	Method	AAT/GAP
Start	107	End	267
GI	2311558	Score	273
Exons	107..267		
GI Descrip.	4151319 1.0e-34 (AF089084) putative auxin efflux carrier protein; AtPIN1 [Arabidopsis thaliana]		

Seq. No.	5984	Seq. ID	OJ990323_12.0103.C101
Gene No.	12610	Strand	-
Start	102	End	378
Name	OJ990323_12.0103.C101.o1.np	Method	AAT/NAP
Start	102	End	378
GI	2829903	Score	129
Exons	102..378		
GI Descrip.	(AC002311) unknown protein [Arabidopsis thaliana]		

Seq. No.	5984	Seq. ID	OJ990323_12.0103.C101
Gene No.	12610	Strand	-
Start	102	End	378
Name	OJ990323_12.0103.C101.o1.gs	Method	GENSCAN
Start	108	End	170
GI	none	Score	.62
Exons	108..170		

Seq. No.	5985	Seq. ID	OJ990323_12.0103.C104
Gene No.	12611	Strand	+
Start	1	End	538
Name	OJ990323_12.0103.C104.o1.np	Method	AAT/NAP
Start	1	End	538
GI	6539588	Score	160
Exons	1..302, 483..538		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5985	Seq. ID	OJ990323_12.0103.C104
Gene No.	12611	Strand	+
Start	1	End	538
Name	OJ990323_12.0103.C104.o1.gs	Method	GENSCAN
Start	110	End	298
GI	none	Score	.73
Exons	110..298		

Seq. No.	5986	Seq. ID	OJ990323_12.0103.C106
Gene No.	12612	Strand	+
Start	1	End	699
Name	OJ990323_12.0103.C106.o1.np	Method	AAT/NAP
Start	1	End	699
GI	6598588	Score	320
Exons	1..470, 522..699		
GI Descrip.	(AC006228) F5J5.14 [Arabidopsis thaliana]		

Seq. No.	5986	Seq. ID	OJ990323_12.0103.C106
Gene No.	12612	Strand	+
Start	1	End	699

Name	OJ990323_12.0103.C106.o1.tw	Method	TBLASTX:Wheat
Start	20	End	433
GI	none	Score	235
Exons	20..376, 38..433		

Seq. No.	5986	Seq. ID	OJ990323_12.0103.C106
Gene No.	12612	Strand	+
Start	1	End	699
Name	OJ990323_12.0103.C106.o1.tc	Method	TBLASTX:Cress
Start	29	End	319
GI	none	Score	183
Exons	29..319, 91..243		

Seq. No.	5986	Seq. ID	OJ990323_12.0103.C106
Gene No.	12612	Strand	+
Start	1	End	699
Name	OJ990323_12.0103.C106.o1.tm	Method	TBLASTX:Maize
Start	158	End	549
GI	none	Score	200
Exons	158..361, 163..357, 373..432,	374..484, 464..547, 481..549	

Seq. No.	5987	Seq. ID	OJ990323_12.0103.C109
Gene No.	12613	Strand	+
Start	226	End	305
Name	OJ990323_12.0103.C109.o1.gs	Method	GENSCAN
Start	226	End	305
GI	none	Score	.8
Exons	226..305		

Seq. No.	5988	Seq. ID	OJ990323_12.0103.C111
Gene No.	12614	Strand	-
Start	40	End	220
Name	OJ990323_12.0103.C111.o1.gs	Method	GENSCAN
Start	40	End	220
GI	none	Score	.58
Exons	40..220		

Seq. No.	5989	Seq. ID	OJ990323_12.0103.C112
Gene No.	12615	Strand	-
Start	1	End	811
Name	OJ990323_12.0103.C112.o1.gp	Method	AAT/GAP
Start	1	End	811
GI	148_1.R1084	Score	232
Exons	1..23, 687..811		
GI Descrip.	'5931625/dbj|BAA84717.1| 1.0e-106 (AB032761) rab5B [Oryza sativa]'		

Seq. No.	5990	Seq. ID	OJ990323_12.0103.C113
Gene No.	12616	Strand	+
Start	332	End	461
Name	OJ990323_12.0103.C113.o1.gs	Method	GENSCAN
Start	332	End	461
GI	none	Score	.87
Exons	332..364, 369..461		

Seq. No.	5991	Seq. ID	OJ990323_12.0103.C114
Gene No.	12617	Strand	-

Start	39	End	641
Name	OJ990323_12.0103.C114.o1.gs	Method	GENSCAN
Start	39	End	592
GI	none	Score	.96
Exons	39..592		

Seq. No.	5991	Seq. ID	OJ990323_12.0103.C114
Gene No.	12617	Strand	-
Start	39	End	641
Name	OJ990323_12.0103.C114.o1.np	Method	AAT/NAP
Start	54	End	641
GI	3426064	Score	362
Exons	54..641		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi|4467141|emb|CAB37510| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	5991	Seq. ID	OJ990323_12.0103.C114
Gene No.	12617	Strand	-
Start	39	End	641
Name	OJ990323_12.0103.C114.o1.ts	Method	TBLASTX:Soybean
Start	57	End	498
GI	none	Score	117
Exons	57..170, 264..497, 316..498		

Seq. No.	5991	Seq. ID	OJ990323_12.0103.C114
Gene No.	12617	Strand	-
Start	39	End	641
Name	OJ990323_12.0103.C114.o1.tc	Method	TBLASTX:Cress
Start	60	End	621
GI	none	Score	109
Exons	60..269, 261..527, 319..453, 547..621		

Seq. No.	5991	Seq. ID	OJ990323_12.0103.C114
Gene No.	12617	Strand	-
Start	39	End	641
Name	OJ990323_12.0103.C114.o1.tm	Method	TBLASTX:Maize
Start	60	End	462
GI	none	Score	72
Exons	60..257, 61..198, 63..257, 291..380, 303..329, 333..458, 334..462		

Seq. No.	5991	Seq. ID	OJ990323_12.0103.C114
Gene No.	12617	Strand	-
Start	39	End	641
Name	OJ990323_12.0103.C114.o1.gp	Method	AAT/GAP
Start	131	End	487
GI	71705_1.R1084	Score	673
Exons	131..487		
GI Descrip.	'3426064/emb|CAA07575.1| 1.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]'		

Seq. No.	5992	Seq. ID	OJ990323_12.0103.C116
Gene No.	12618	Strand	+
Start	1	End	758
Name	OJ990323_12.0103.C116.o1.np	Method	AAT/NAP

Start	1	End	758
GI	4678345	Score	102
Exons	1..15, 203..356, 719..758		
GI Descrip.	(AL049659) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	5993	Seq. ID	OJ990323_12.0103.C117
Gene No.	12619	Strand	+
Start	575	End	642
Name	OJ990323_12.0103.C117.o1.gs	Method	GENSCAN
Start	575	End	642
GI	none	Score	.79
Exons	575..642		

Seq. No.	5993	Seq. ID	OJ990323_12.0103.C117
Gene No.	12620	Strand	-
Start	574	End	644
Name	OJ990323_12.0103.C117.o1.gp	Method	AAT/GAP
Start	574	End	644
GI	2769_1.R1084	Score	97
Exons	574..644		
GI Descrip.	'1663724 3.0e-26 (U50846) 4-coumarate:coenzyme A ligase [Nicotiana tabacum]'		

Seq. No.	5994	Seq. ID	OJ990323_12.0103.C118
Gene No.	12621	Strand	-
Start	1	End	542
Name	OJ990323_12.0103.C118.o1.np	Method	AAT/NAP
Start	1	End	542
GI	6358810	Score	78
Exons	1..40, 409..542		
GI Descrip.	(AC010675) putative alpha-amylase [Arabidopsis thaliana]		

Seq. No.	5995	Seq. ID	OJ990323_12.0103.C121
Gene No.	12622	Strand	-
Start	41	End	623
Name	OJ990323_12.0103.C121.o1.gs	Method	GENSCAN
Start	41	End	623
GI	none	Score	.97
Exons	41..332, 379..623		

Seq. No.	5996	Seq. ID	OJ990323_12.0103.C123
Gene No.	12623	Strand	-
Start	374	End	724
Name	OJ990323_12.0103.C123.o1.gs	Method	GENSCAN
Start	374	End	724
GI	none	Score	.42
Exons	374..501, 606..724		

Seq. No.	5997	Seq. ID	OJ990323_12.0103.C124
Gene No.	12624	Strand	+
Start	193	End	388
Name	OJ990323_12.0103.C124.o1.gs	Method	GENSCAN
Start	193	End	388
GI	none	Score	.49
Exons	193..388		

Seq. No.	5997	Seq. ID	OJ990323_12.0103.C124

Gene No.	12625	Strand	+
Start	804	End	987
Name	OJ990323_12.0103.C124.o1.gp	Method	AAT/GAP
Start	804	End	987
GI	none	Score	276
Exons	804..987		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o1.gp	Method	AAT/GAP
Start	58	End	1329
GI	72477_1.R1084	Score	1126
Exons	58..435, 983..1125, 1216..1329		
GI Descrip.	'4204695 2.0e-38 (AF117062) putative inositol polyphosphate 5-phosphatase At5P1 [Arabidopsis thaliana]'		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o1.gs	Method	GENSCAN
Start	213	End	7058
GI	none	Score	.49
Exons	213..435, 983..1125, 1216..1324, 1852..2036, 2380..3148, 3257..3361, 3914..4148, 5024..5369, 5696..5842, 6071..6245, 6272..6397, 7021..7058		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o1.np	Method	AAT/NAP
Start	237	End	3638
GI	6682606	Score	1237
Exons	237..435, 983..1125, 1216..1324, 1852..2036, 2344..3148, 3257..3361, 3592..3638		
GI Descrip.	(AC016163) putative inositol polyphosphate phosphatase, 5' partial [Arabidopsis thaliana]		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o2.ts	Method	TBLASTX:Soybean
Start	258	End	447
GI	none	Score	165
Exons	258..434, 271..447, 280..435		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o1.tc	Method	TBLASTX:Cress
Start	264	End	5366
GI	none	Score	124
Exons	264..434, 280..435, 311..445, 501..614, 967..1119, 977..1144, 1213..1323, 1214..1324, 1887..2039, 1893..2030, 1910..2038, 2338..2517, 2344..2484, 2605..2697, 2983..3144, 2984..3142, 2987..3145, 3256..3363, 3258..3359, 3259..3360, 3591..3647, 5310..5366		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o1.tm	Method	TBLASTX:Maize
Start	363	End	1312
GI	none	Score	76
Exons	363..434, 364..435, 977..1162, 978..1109, 982..1122, 1210..1311, 1211..1312		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o4.ts	Method	TBLASTX:Soybean
Start	994	End	1323
GI	none	Score	127
Exons	994..1119, 1001..1126, 1213..1323		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o2.tm	Method	TBLASTX:Maize
Start	1821	End	2542
GI	none	Score	227
Exons	1821..2039, 1854..2039, 2338..2541, 2340..2534, 2344..2538, 2381..2542		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o3.ts	Method	TBLASTX:Soybean
Start	1965	End	2607
GI	none	Score	64
Exons	1965..2039, 1966..2037, 2338..2607, 2344..2475, 2381..2497		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o2.gp	Method	AAT/GAP
Start	2602	End	2942
GI	none	Score	652
Exons	2602..2942		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o3.tm	Method	TBLASTX:Maize
Start	2980	End	3668
GI	none	Score	121
Exons	2980..3147, 2981..3142, 3256..3282, 3292..3363, 3591..3647, 3642..3668		

Seq. No.	5998	Seq. ID	OJ990323_12.0103.C125
Gene No.	12626	Strand	-
Start	58	End	7058
Name	OJ990323_12.0103.C125.o1.ts	Method	TBLASTX:Soybean
Start	2990	End	3363

GI	none	Score	62
Exons	2990..3121, 2991..3110, 2992..3117, 2992..3129, 2993..3121, 3124..3144, 3256..3363, 3258..3350, 3259..3351		
Seq. No.	5999	Seq. ID	OJ990323_12.0103.C126
Gene No.	12627	Strand	-
Start	1637	End	2576
Name	OJ990323_12.0103.C126.o1.gs	Method	GENSCAN
Start	1637	End	2576
GI	none	Score	.51
Exons	1637..2016, 2423..2576		
Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12628	Strand	+
Start	203	End	1012
Name	OJ990323_12.0103.C127.o1.gs	Method	GENSCAN
Start	203	End	1012
GI	none	Score	.82
Exons	203..288, 326..1012		
Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12628	Strand	+
Start	203	End	1012
Name	OJ990323_12.0103.C127.o1.np	Method	AAT/NAP
Start	217	End	824
GI	5262765	Score	223
Exons	217..824		
GI Descrip.	(AL080283) putative protein [Arabidopsis thaliana]		
Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12629	Strand	+
Start	1828	End	2084
Name	OJ990323_12.0103.C127.o1.gp	Method	AAT/GAP
Start	1828	End	2084
GI	LIB3431-010-P1-N1-F11	Score	490
Exons	1828..2084		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		
Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o2.gs	Method	GENSCAN
Start	2193	End	4603
GI	none	Score	.61
Exons	2193..2834, 2957..3162, 4435..4603		
Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o2.np	Method	AAT/NAP
Start	2205	End	3106
GI	3892708	Score	595
Exons	2205..2834, 2957..3106		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana]		
Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127

Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o2.gp	Method	AAT/GAP
Start	2210	End	2655
GI	LIB3433-026-P1-K1-F6	Score	844
Exons	2210..2655		
GI Descrip.	'3892708/emb|CAA22158.1| 2.0e-26 (AL033545) putative protein [Arabidopsis thaliana]'		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o1.ts	Method	TBLASTX:Soybean
Start	2313	End	3106
GI	none	Score	103
Exons	2313..2510, 2571..2834, 2584..2814, 2948..3106		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o1.tm	Method	TBLASTX:Maize
Start	2409	End	3128
GI	none	Score	486
Exons	2409..2831, 2409..2840, 2434..2835, 2951..3109, 2958..3113, 3027..3128		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o1.tc	Method	TBLASTX:Cress
Start	2568	End	3050
GI	none	Score	66
Exons	2568..2750, 2568..2834, 2575..2832, 2951..3049, 2955..3050		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o3.gp	Method	AAT/GAP
Start	2673	End	3177
GI	LIB3431-010-P1-K1-F10	Score	664
Exons	2673..2834, 2957..3177		
GI Descrip.	'3892708/emb|CAA22158.1| 6.0e-27 (AL033545) putative protein [Arabidopsis thaliana]'		

Seq. No.	6000	Seq. ID	OJ990323_12.0103.C127
Gene No.	12630	Strand	-
Start	2193	End	4747
Name	OJ990323_12.0103.C127.o3.np	Method	AAT/NAP
Start	4415	End	4747
GI	4417279	Score	278
Exons	4415..4747		
GI Descrip.	(AC007019) unknown protein [Arabidopsis thaliana]		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12631	Strand	+
Start	7159	End	17432
Name	OJ990323_12.0103.C128.o2.gs	Method	GENSCAN

Start	7159	End	17333
GI	none	Score	.66
Exons	7159..7618, 8195..8347, 8462..8589, 10440..10594, 11008..11282, 11297..11387, 11911..12039, 12404..12660, 13239..13279, 13309..13507, 13956..14143, 14511..14714, 16012..16071, 16244..17333		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12631	Strand	+
Start	7159	End	17432
Name	OJ990323_12.0103.C128.o3.np	Method	AAT/NAP
Start	12348	End	17432
GI	5882749	Score	402
Exons	12348..12374, 14025..14143, 14511..14724, 16014..16071, 16244..16883, 16995..17432		
GI Descrip.	(AC008263) Contains 2 PF|00612 IQ calmodulin-binding motif domains. [Arabidopsis thaliana]		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12631	Strand	+
Start	7159	End	17432
Name	OJ990323_12.0103.C128.o1.gp	Method	AAT/GAP
Start	13116	End	16341
GI	22827_1.R1084	Score	1615
Exons	13116..13279, 13380..13507, 13898..14143, 14511..14714, 16012..16071, 16244..16341		
GI Descrip.	'5882749/gb|AAD55302.1|AC008263_33 7.0e-27 (AC008263) Contains 2 PF_00612 IQ calmodulin-binding motif domains. [Arabidopsis thaliana]'		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12631	Strand	+
Start	7159	End	17432
Name	OJ990323_12.0103.C128.o2.gp	Method	AAT/GAP
Start	16601	End	17154
GI	none	Score	1108
Exons	16601..17154		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12632	Strand	-
Start	138	End	2853
Name	OJ990323_12.0103.C128.o1.gs	Method	GENSCAN
Start	138	End	2853
GI	none	Score	.56
Exons	138..1436, 2483..2785, 2818..2853		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12632	Strand	-
Start	138	End	2853
Name	OJ990323_12.0103.C128.o1.np	Method	AAT/NAP
Start	138	End	2779
GI	4417279	Score	1559
Exons	138..1166, 1212..1436, 2483..2779		
GI Descrip.	(AC007019) unknown protein [Arabidopsis thaliana]		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12633	Strand	-

Start	3385	End	3469
Name	OJ990323_12.0103.C128.o2.tm	Method	TBLASTX:Maize
Start	597	End	816
GI	none	Score	192
Exons	597..788, 602..787, 602..790, 790..816		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12633	Strand	-
Start	3385	End	3469
Name	OJ990323_12.0103.C128.o1.ts	Method	TBLASTX:Soybean
Start	921	End	1139
GI	none	Score	145
Exons	921..1127, 921..1139, 922..1137		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12633	Strand	-
Start	3385	End	3469
Name	OJ990323_12.0103.C128.o2.ts	Method	TBLASTX:Soybean
Start	1212	End	2710
GI	none	Score	37
Exons	1212..1364, 1374..1436, 2483..2563, 2669..2710		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12633	Strand	-
Start	3385	End	3469
Name	OJ990323_12.0103.C128.o2.np	Method	AAT/NAP
Start	3385	End	3469
GI	6721547	Score	79
Exons	3385..3469		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12634	Strand	
Start	7325	End	7590
Name	OJ990323_12.0103.C128.o3.tm	Method	TBLASTX:Maize
Start	7325	End	7590
GI	none	Score	194
Exons	7325..7471, 7360..7470, 7534..7590		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128
Gene No.	12635	Strand	
Start	13337	End	17378
Name	OJ990323_12.0103.C128.o1.tm	Method	TBLASTX:Maize
Start	13337	End	17337
GI	none	Score	80
Exons	13337..13462, 13378..13500, 13922..13978, 14024..14143, 14043..14144, 14044..14145, 14510..14698, 14511..14711, 16003..16074, 16014..16073, 16232..16489, 16236..16463, 16237..16527, 16243..16473, 16268..16495, 16409..16561, 16504..16734, 16505..16648, 16531..16734, 16538..16738, 16539..16745, 16539..16739, 16654..16770, 16668..16760, 16673..16762, 16674..16757, 16747..16818, 16760..16816, 16766..16828, 16836..16907, 16845..16952, 16893..16937, 16904..17038, 16906..17037, 17031..17336, 17045..17335, 17052..17336, 17053..17337, 17053..17337		

Seq. No.	6001	Seq. ID	OJ990323_12.0103.C128

Gene No.	12635	Strand	
Start	13337	End	17378
Name	OJ990323_12.0103.C128.o1.tw	Method	TBLASTX:Wheat
Start	16961	End	17378
GI	none	Score	78
Exons	16961..17110, 16961..17050, 16969..17184, 17045..17185, 17070..17186, 17072..17227, 17199..17282, 17200..17283, 17201..17278, 17205..17285, 17270..17377, 17280..17378, 17281..17373		

Seq. No.	6002	Seq. ID	OJ990323_12.0103.C129
Gene No.	12636	Strand	+
Start	1	End	320
Name	OJ990323_12.0103.C129.o1.np	Method	AAT/NAP
Start	1	End	320
GI	6539269	Score	94
Exons	1..320		
GI Descrip.	(AC011765) unknown protein [Arabidopsis thaliana]		

Seq. No.	6002	Seq. ID	OJ990323_12.0103.C129
Gene No.	12636	Strand	+
Start	1	End	320
Name	OJ990323_12.0103.C129.o1.tw	Method	TBLASTX:Wheat
Start	2	End	266
GI	none	Score	49
Exons	2..115, 41..73, 87..170, 88..171, 89..166, 93..173, 158..265, 168..266, 169..261		

Seq. No.	6002	Seq. ID	OJ990323_12.0103.C129
Gene No.	12636	Strand	+
Start	1	End	320
Name	OJ990323_12.0103.C129.o1.tm	Method	TBLASTX:Maize
Start	5	End	226
GI	none	Score	229
Exons	5..223, 41..226, 49..225		

Seq. No.	6002	Seq. ID	OJ990323_12.0103.C129
Gene No.	12636	Strand	+
Start	1	End	320
Name	OJ990323_12.0103.C129.o1.gs	Method	GENSCAN
Start	98	End	221
GI	none	Score	.96
Exons	98..221		

Seq. No.	6003	Seq. ID	OJ990323_12.0103.C131
Gene No.	12637	Strand	+
Start	1	End	701
Name	OJ990323_12.0103.C131.o1.np	Method	AAT/NAP
Start	1	End	701
GI	4582435	Score	515
Exons	1..701		
GI Descrip.	(AC007196) putative selenium-binding protein [Arabidopsis thaliana]		

Seq. No.	6003	Seq. ID	OJ990323_12.0103.C131
Gene No.	12637	Strand	+
Start	1	End	701

Name	OJ990323_12.0103.C131.o1.tm	Method	TBLASTX:Maize
Start	2	End	643
GI	none	Score	372
Exons	2..643, 5..193, 7..363		

Seq. No.	6003	Seq. ID	OJ990323_12.0103.C131
Gene No.	12637	Strand	+
Start	1	End	701
Name	OJ990323_12.0103.C131.o1.tw	Method	TBLASTX:Wheat
Start	2	End	358
GI	none	Score	254
Exons	2..286, 4..288, 290..358		

Seq. No.	6003	Seq. ID	OJ990323_12.0103.C131
Gene No.	12637	Strand	+
Start	1	End	701
Name	OJ990323_12.0103.C131.o1.tc	Method	TBLASTX:Cress
Start	22	End	391
GI	none	Score	288
Exons	22..381, 23..391		

Seq. No.	6003	Seq. ID	OJ990323_12.0103.C131
Gene No.	12637	Strand	+
Start	1	End	701
Name	OJ990323_12.0103.C131.o1.ts	Method	TBLASTX:Soybean
Start	146	End	649
GI	none	Score	332
Exons	146..649, 166..585		

Seq. No.	6004	Seq. ID	OJ990323_12.0103.C133
Gene No.	12638	Strand	+
Start	1	End	938
Name	OJ990323_12.0103.C133.o1.np	Method	AAT/NAP
Start	1	End	938
GI	5852093	Score	53
Exons	1..55, 748..938		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	6005	Seq. ID	OJ990323_12.0103.C134
Gene No.	12639	Strand	+
Start	1	End	1490
Name	OJ990323_12.0103.C134.o1.np	Method	AAT/NAP
Start	1	End	518
GI	5852093	Score	48
Exons	1..98, 387..518		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	6005	Seq. ID	OJ990323_12.0103.C134
Gene No.	12639	Strand	+
Start	1	End	1490
Name	OJ990323_12.0103.C134.o1.gs	Method	GENSCAN
Start	374	End	1490
GI	none	Score	.54
Exons	374..493, 716..799, 854..985, 1272..1490		

Seq. No.	6006	Seq. ID	OJ990323_12.0103.C136
Gene No.	12640	Strand	-

Start	684	End	774
Name	OJ990323_12.0103.C136.o1.gs	Method	GENSCAN
Start	684	End	774
GI	none	Score	.79
Exons	684..774		

Seq. No.	6007	Seq. ID	OJ990323_12.0103.C137
Gene No.	12641	Strand	+
Start	270	End	3892
Name	OJ990323_12.0103.C137.o2.np	Method	AAT/NAP
Start	270	End	3238
GI	1931639	Score	155
Exons	270..345, 1563..1958, 3218..3238		
GI Descrip.	(U95973) lysophospholipase isolog [Arabidopsis thaliana]		

Seq. No.	6007	Seq. ID	OJ990323_12.0103.C137
Gene No.	12641	Strand	+
Start	270	End	3892
Name	OJ990323_12.0103.C137.o1.gs	Method	GENSCAN
Start	691	End	3892
GI	none	Score	.74
Exons	691..784, 1022..1154, 1177..1299, 1466..1498, 1639..1752, 1770..1889, 2658..2802, 3635..3892		

Seq. No.	6007	Seq. ID	OJ990323_12.0103.C137
Gene No.	12641	Strand	+
Start	270	End	3892
Name	OJ990323_12.0103.C137.o1.np	Method	AAT/NAP
Start	995	End	1312
GI	6539588	Score	214
Exons	995..1312		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12642	Strand	+
Start	45	End	3271
Name	OJ990323_12.0103.C138.o1.gp	Method	AAT/GAP
Start	45	End	1390
GI	LIB3431-058-P1-K1-D2	Score	898
Exons	45..405, 1261..1390		
GI Descrip.	'15961/emb|CAA78267| 3.0e-22 (Z12621) precursor alliinase [Allium cepa]'		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12642	Strand	+
Start	45	End	3271
Name	OJ990323_12.0103.C138.o1.gs	Method	GENSCAN
Start	62	End	2688
GI	none	Score	.92
Exons	62..405, 1261..1561, 1658..2345, 2459..2688		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12642	Strand	+
Start	45	End	3271
Name	OJ990323_12.0103.C138.o1.np	Method	AAT/NAP
Start	223	End	3271
GI	4633652	Score	890

Exons	223..398, 1254..1561, 1658..1953, 2059..2345, 2459..2654, 3217..3271		
GI Descrip.	(AF124405) alliinase precursor [Allium cepa]		
Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12642	Strand	+
Start	45	End	3271
Name	OJ990323_12.0103.C138.o2.gp	Method	AAT/GAP
Start	1415	End	2082
GI	97415_1.R1084	Score	702
Exons	1415..1561, 1658..1953, 2059..2082		
GI Descrip.	'166341 8.0e-37 (M98267) alliinase [Allium cepa] >gi_1044969 (L48614) allinase [Allium cepa]'		
Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12642	Strand	+
Start	45	End	3271
Name	OJ990323_12.0103.C138.o3.gp	Method	AAT/GAP
Start	2273	End	2995
GI	4457_1.R1084	Score	1189
Exons	2273..2345, 2459..2995		
GI Descrip.	'4633652/gb|AAD26853.1|AF124405_1 5.0e-23 (AF124405) alliinase precursor [Allium cepa]'		
Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o3.tm	Method	TBLASTX:Maize
Start	100	End	397
GI	none	Score	60
Exons	100..174, 101..175, 113..295, 209..298, 283..396, 299..397		
Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o1.tc	Method	TBLASTX:Cress
Start	221	End	1726
GI	none	Score	72
Exons	221..325, 323..397, 1259..1564, 1261..1554, 1658..1726		
Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o2.ts	Method	TBLASTX:Soybean
Start	1261	End	1456
GI	none	Score	200
Exons	1261..1455, 1262..1456		
Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o1.tm	Method	TBLASTX:Maize
Start	1430	End	2601
GI	none	Score	77
Exons	1430..1504, 1433..1489, 1762..1836, 1763..1861, 1829..1957, 1834..1983, 2059..2343, 2060..2344, 2060..2344, 2452..2601, 2458..2601		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o1.tw	Method	TBLASTX:Wheat
Start	2104	End	2631
GI	none	Score	317
Exons	2104..2343, 2105..2344, 2114..2350, 2452..2631, 2539..2628, 2541..2630		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o2.tc	Method	TBLASTX:Cress
Start	3956	End	4368
GI	none	Score	82
Exons	3956..4024, 4024..4068, 4070..4216, 4071..4217, 4279..4368, 4280..4360		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o1.ts	Method	TBLASTX:Soybean
Start	3959	End	4359
GI	none	Score	36
Exons	3959..4021, 4029..4070, 4030..4068, 4070..4150, 4077..4145, 4225..4359		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o2.gs	Method	GENSCAN
Start	3959	End	5804
GI	none	Score	.71
Exons	3959..4651, 5736..5804		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o2.np	Method	AAT/NAP
Start	3962	End	4412
GI	5031281	Score	217
Exons	3962..4412		
GI Descrip.	(AF139499) unknown [Prunus armeniaca]		

Seq. No.	6008	Seq. ID	OJ990323_12.0103.C138
Gene No.	12643	Strand	-
Start	3959	End	5804
Name	OJ990323_12.0103.C138.o2.tm	Method	TBLASTX:Maize
Start	3971	End	4360
GI	none	Score	36
Exons	3971..4024, 4008..4049, 4024..4068, 4070..4147, 4071..4148, 4240..4359, 4292..4360		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12644	Strand	+
Start	5602	End	11280

Name	OJ990323_12.0103.C139.o2.gs	Method	GENSCAN
Start	5602	End	11280
GI	none	Score	.55
Exons	5602..5763, 5958..6175, 8213..8618, 11266..11280		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12645	Strand	+
Start	11574	End	15403
Name	OJ990323_12.0103.C139.o2.np	Method	AAT/NAP
Start	11574	End	15403
GI	2190016	Score	243
Exons	11574..11645, 12726..12928, 15207..15403		
GI Descrip.	(AB004269) alliinase [Allium tuberosum]		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12645	Strand	+
Start	11574	End	15403
Name	OJ990323_12.0103.C139.o3.gs	Method	GENSCAN
Start	12585	End	14573
GI	none	Score	.87
Exons	12585..12928, 12958..12995, 13769..13830, 14466..14573		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12646	Strand	-
Start	292	End	4593
Name	OJ990323_12.0103.C139.o1.np	Method	AAT/NAP
Start	286	End	4554
GI	5734736	Score	2819
Exons	286..2022, 2176..3577, 3641..3935, 3978..4554		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12646	Strand	-
Start	292	End	4593
Name	OJ990323_12.0103.C139.o1.gs	Method	GENSCAN
Start	292	End	4593
GI	none	Score	.98
Exons	292..4593		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12647	Strand	-
Start	5716	End	5883
Name	OJ990323_12.0103.C139.o2.gp	Method	AAT/GAP
Start	5716	End	5883
GI	53818_1.R1084	Score	218
Exons	5716..5883		
GI Descrip.	'4587518/gb|AAD25749.1|AC007060_7 7.0e-20 (AC007060) Strong similarity to F19I3.8 gi_3033381 putative UDP-galactose-4-epimerase from Arabidopsis thaliana BAC gb_AC004238 and is a member of PF_01370 the NAD dependent epimerase/dehydratase family. EST gb_AA59'		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12648	Strand	-
Start	12190	End	12289
Name	OJ990323_12.0103.C139.o3.gp	Method	AAT/GAP
Start	12190	End	12289

GI	LIB3477-003-P1-K1-E9	Score	104
Exons	12190..12289		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o1.ts	Method	TBLASTX:Soybean
Start	310	End	960
GI	none	Score	76
Exons	310..777, 371..499, 794..931, 799..960		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o1.tc	Method	TBLASTX:Cress
Start	319	End	982
GI	none	Score	82
Exons	319..570, 371..526, 376..528, 568..684, 688..981, 713..982		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o3.tw	Method	TBLASTX:Wheat
Start	349	End	792
GI	none	Score	78
Exons	349..543, 350..526, 565..792		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o1.tm	Method	TBLASTX:Maize
Start	568	End	1020
GI	none	Score	78
Exons	568..1020, 589..768, 635..985		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o6.tm	Method	TBLASTX:Maize
Start	1024	End	1287
GI	none	Score	125
Exons	1024..1287, 1025..1285, 1045..1287		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o2.tw	Method	TBLASTX:Wheat
Start	1114	End	1669
GI	none	Score	139
Exons	1114..1338, 1321..1668, 1324..1668, 1583..1669		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318

Name	OJ990323_12.0103.C139.o3.ts	Method	TBLASTX:Soybean
Start	1333	End	1821
GI	5509260	Score	83
Exons	1333..1821, 1361..1498, 1583..1756		
GI Descrip.	-		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o3.tc	Method	TBLASTX:Cress
Start	1450	End	1714
GI	none	Score	89
Exons	1450..1713, 1583..1714		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o3.tm	Method	TBLASTX:Maize
Start	1489	End	1803
GI	none	Score	155
Exons	1489..1803, 1504..1785		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o2.ts	Method	TBLASTX:Soybean
Start	2233	End	2709
GI	none	Score	177
Exons	2233..2709, 2408..2701		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o2.tc	Method	TBLASTX:Cress
Start	2245	End	2694
GI	none	Score	46
Exons	2245..2694, 2248..2382, 2411..2584, 2609..2692		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o2.tm	Method	TBLASTX:Maize
Start	2311	End	2736
GI	none	Score	198
Exons	2311..2382, 2395..2736, 2405..2728		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o1.tw	Method	TBLASTX:Wheat
Start	2383	End	2928
GI	none	Score	99
Exons	2383..2478, 2482..2928, 2489..2728		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318

Name	OJ990323_12.0103.C139.o4.ts	Method	TBLASTX:Soybean
Start	2749	End	3078
GI	none	Score	209
Exons	2749..3078		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o4.tw	Method	TBLASTX:Wheat
Start	3016	End	3472
GI	none	Score	107
Exons	3016..3102, 3103..3210, 3226..3471, 3269..3472		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o7.tm	Method	TBLASTX:Maize
Start	3082	End	3493
GI	none	Score	107
Exons	3082..3213, 3274..3492, 3317..3493		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o4.tm	Method	TBLASTX:Maize
Start	3908	End	4299
GI	none	Score	36
Exons	3908..3976, 3910..3993, 3973..4083, 4025..4084, 4096..4299, 4100..4294		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o5.tw	Method	TBLASTX:Wheat
Start	4024	End	4437
GI	none	Score	108
Exons	4024..4419, 4081..4437		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o4.tc	Method	TBLASTX:Cress
Start	4138	End	4428
GI	none	Score	77
Exons	4138..4428, 4214..4366		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o8.tm	Method	TBLASTX:Maize
Start	4313	End	4602
GI	none	Score	86
Exons	4313..4525, 4315..4545, 4567..4602		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318

Name	OJ990323_12.0103.C139.o5.tm	Method	TBLASTX:Maize
Start	12593	End	12928
GI	none	Score	93
Exons	12593..12697, 12594..12707, 12687..12821, 12738..12767, 12806..12928, 12807..12926, 12824..12928		

Seq. No.	6009	Seq. ID	OJ990323_12.0103.C139
Gene No.	12649	Strand	-
Start	15120	End	15318
Name	OJ990323_12.0103.C139.o4.gs	Method	GENSCAN
Start	15120	End	15318
GI	none	Score	.76
Exons	15120..15233, 15235..15318		

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o1.np	Method	AAT/NAP
Start	1	End	1408
GI	166341	Score	691
Exons	1..247, 367..659, 765..1051, 1153..1408		
GI Descrip.	(M98267) alliinase [Allium cepa] gi|1044969 (L48614) allinase [Allium cepa]		

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o1.tc	Method	TBLASTX:Cress
Start	1	End	244
GI	none	Score	209
Exons	1..243, 2..244		

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o1.gp	Method	AAT/GAP
Start	52	End	844
GI	97415_1.R1084	Score	1044
Exons	52..247, 367..659, 765..844		
GI Descrip.	'166341 8.0e-37 (M98267) alliinase [Allium cepa] >gi_1044969 (L48614) allinase [Allium cepa]'		

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o1.gs	Method	GENSCAN
Start	68	End	1476
GI	none	Score	.81
Exons	68..247, 367..659, 765..1051, 1153..1378, 1420..1476		

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o1.tm	Method	TBLASTX:Maize
Start	116	End	1295
GI	none	Score	97
Exons	116..175, 120..176, 457..519, 462..521, 468..542, 469..567,		

535..663, 540..695, 761..1051, 763..1065, 766..1065, 1152..1295, 1152..1295

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o1.tw	Method	TBLASTX:Wheat
Start	811	End	1325
GI	none	Score	340
Exons	811..1065, 818..895, 819..1049, 944..1060, 1150..1239, 1152..1325, 1155..1322, 1220..1324		

Seq. No.	6010	Seq. ID	OJ990323_12.0103.C140
Gene No.	12650	Strand	+
Start	1	End	1652
Name	OJ990323_12.0103.C140.o2.gp	Method	AAT/GAP
Start	1149	End	1652
GI	22615_1.R1084	Score	928
Exons	1149..1652		
GI Descrip.	'399028/sp|Q01594|ALLN_ALLSA 3.0e-12 ALLIIN LYASE PRECURSOR (ALLIINASE) (CYSTEINE SULPHOXIDE LYASE) >gi_419808_pir__S29302 alliin lyase (EC 4.4.1.4) precursor - garlic >gi_16109_emb_CAA78268_ (Z12622) precursor alliinase [Allium sativum]'		

Seq. No.	6011	Seq. ID	OJ990323_12.0103.C141
Gene No.	12651	Strand	-
Start	1214	End	2700
Name	OJ990323_12.0103.C141.o1.gs	Method	GENSCAN
Start	1214	End	2401
GI	none	Score	.45
Exons	1214..1344, 1433..1518, 1674..2401		

Seq. No.	6011	Seq. ID	OJ990323_12.0103.C141
Gene No.	12651	Strand	-
Start	1214	End	2700
Name	OJ990323_12.0103.C141.o1.np	Method	AAT/NAP
Start	1604	End	2700
GI	6907106	Score	392
Exons	1604..1775, 1840..2060, 2090..2383, 2530..2700		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6011	Seq. ID	OJ990323_12.0103.C141
Gene No.	12651	Strand	-
Start	1214	End	2700
Name	OJ990323_12.0103.C141.o1.tm	Method	TBLASTX:Maize
Start	1700	End	2028
GI	none	Score	88
Exons	1700..1759, 1701..1775, 1722..1790, 1723..1791, 1744..1863, 1792..1839, 1804..1839, 1828..2028, 1940..2020		

Seq. No.	6012	Seq. ID	OJ990323_12.0103.C143
Gene No.	12652	Strand	+
Start	2279	End	2905
Name	OJ990323_12.0103.C143.o1.gp	Method	AAT/GAP
Start	2279	End	2905

GI	48930_1.R1084	Score	1093
Exons	2279..2905		
GI Descrip.	'4586109/emb|CAB40945.1| 1.0e-25 (AL049638) putative protein [Arabidopsis thaliana]'		

Seq. No.	6012	Seq. ID	OJ990323_12.0103.C143
Gene No.	12653	Strand	-
Start	2497	End	3050
Name	OJ990323_12.0103.C143.o1.ts	Method	TBLASTX:Soybean
Start	2485	End	2898
GI	none	Score	124
Exons	2485..2709, 2543..2671, 2836..2898		

Seq. No.	6012	Seq. ID	OJ990323_12.0103.C143
Gene No.	12653	Strand	-
Start	2497	End	3050
Name	OJ990323_12.0103.C143.o1.tc	Method	TBLASTX:Cress
Start	2488	End	2907
GI	none	Score	105
Exons	2488..2709, 2537..2689, 2833..2907		

Seq. No.	6012	Seq. ID	OJ990323_12.0103.C143
Gene No.	12653	Strand	-
Start	2497	End	3050
Name	OJ990323_12.0103.C143.o1.tw	Method	TBLASTX:Wheat
Start	2497	End	2685
GI	none	Score	116
Exons	2497..2685, 2543..2680		

Seq. No.	6012	Seq. ID	OJ990323_12.0103.C143
Gene No.	12653	Strand	-
Start	2497	End	3050
Name	OJ990323_12.0103.C143.o2.gs	Method	GENSCAN
Start	2497	End	3050
GI	none	Score	.72
Exons	2497..3050		

Seq. No.	6012	Seq. ID	OJ990323_12.0103.C143
Gene No.	12653	Strand	-
Start	2497	End	3050
Name	OJ990323_12.0103.C143.o2.np	Method	AAT/NAP
Start	2500	End	2934
GI	3860274	Score	261
Exons	2500..2934		
GI Descrip.	(AC005824) unknown protein [Arabidopsis thaliana]		

Seq. No.	6012	Seq. ID	OJ990323_12.0103.C143
Gene No.	12653	Strand	-
Start	2497	End	3050
Name	OJ990323_12.0103.C143.o1.tm	Method	TBLASTX:Maize
Start	2506	End	2899
GI	none	Score	134
Exons	2506..2724, 2537..2683, 2833..2898, 2834..2899		

Seq. No.	6013	Seq. ID	OJ990323_12.0103.C144
Gene No.	12654	Strand	+
Start	451	End	844

Name	OJ990323_12.0103.C144.o1.gs	Method	GENSCAN
Start	451	End	844
GI	none	Score	.73
Exons	451..595, 660..844		

Seq. No.	6014	Seq. ID	OJ990323_12.0103.C145
Gene No.	12655	Strand	-
Start	1	End	7510
Name	OJ990323_12.0103.C145.o1.np	Method	AAT/NAP
Start	1	End	7510
GI	1165322	Score	31
Exons	1..69, 705..805, 7309..7510		
GI Descrip.	(U44838) extensin [Glycine max]		

Seq. No.	6014	Seq. ID	OJ990323_12.0103.C145
Gene No.	12655	Strand	-
Start	1	End	7510
Name	OJ990323_12.0103.C145.o2.gs	Method	GENSCAN
Start	5450	End	7443
GI	none	Score	.48
Exons	5450..5586, 5889..6010, 6765..6825, 7298..7443		

Seq. No.	6015	Seq. ID	OJ990323_12.0103.C146
Gene No.	12656	Strand	+
Start	182	End	533
Name	OJ990323_12.0103.C146.o1.gs	Method	GENSCAN
Start	182	End	533
GI	none	Score	.85
Exons	182..394, 423..533		

Seq. No.	6016	Seq. ID	OJ990323_12.0103.C147
Gene No.	12657	Strand	+
Start	278	End	432
Name	OJ990323_12.0103.C147.o1.gs	Method	GENSCAN
Start	278	End	432
GI	none	Score	.47
Exons	278..432		

Seq. No.	6017	Seq. ID	OJ990323_12.0103.C149
Gene No.	12658	Strand	+
Start	1	End	385
Name	OJ990323_12.0103.C149.o1.np	Method	AAT/NAP
Start	1	End	385
GI	5802555	Score	214
Exons	1..101, 214..385		
GI Descrip.	(AF173371) alliinase [Allium schoenoprasum]		

Seq. No.	6017	Seq. ID	OJ990323_12.0103.C149
Gene No.	12658	Strand	+
Start	1	End	385
Name	OJ990323_12.0103.C149.o1.tw	Method	TBLASTX:Wheat
Start	1	End	385
GI	none	Score	139
Exons	1..99, 2..100, 5..106, 207..383, 281..385, 294..383, 296..385		

Seq. No.	6017	Seq. ID	OJ990323_12.0103.C149
Gene No.	12658	Strand	+

Start	1	End	385
Name	OJ990323_12.0103.C149.o1.tm	Method	TBLASTX:Maize
Start	1	End	356
GI	none	Score	130
Exons	1..99, 2..100, 2..100, 9..101, 207..356, 213..356		

Seq. No.	6017	Seq. ID	OJ990323_12.0103.C149
Gene No.	12658	Strand	+
Start	1	End	385
Name	OJ990323_12.0103.C149.o1.gp	Method	AAT/GAP
Start	29	End	385
GI	4457_1.R1084	Score	470
Exons	29..101, 214..385		
GI Descrip.	'4633652/gb|AAD26853.1|AF124405_1 5.0e-23 (AF124405) alliinase precursor [Allium cepa]'		

Seq. No.	6017	Seq. ID	OJ990323_12.0103.C149
Gene No.	12658	Strand	+
Start	1	End	385
Name	OJ990323_12.0103.C149.o1.gs	Method	GENSCAN
Start	50	End	322
GI	none	Score	.88
Exons	50..101, 214..322		

Seq. No.	6018	Seq. ID	OJ990323_12.0103.C150
Gene No.	12659	Strand	+
Start	100	End	213
Name	OJ990323_12.0103.C150.o1.gs	Method	GENSCAN
Start	100	End	213
GI	none	Score	.77
Exons	100..213		

Seq. No.	6018	Seq. ID	OJ990323_12.0103.C150
Gene No.	12660	Strand	+
Start	268	End	566
Name	OJ990323_12.0103.C150.o1.gp	Method	AAT/GAP
Start	268	End	566
GI	uC-osflcyp141h11b1	Score	570
Exons	268..566		
GI Descrip.	'4151319 1.0e-34 (AF089084) putative auxin efflux carrier protein; AtPIN1 [Arabidopsis thaliana]'		

Seq. No.	6019	Seq. ID	OJ990913_19.0103.C1
Gene No.	12661	Strand	+
Start	1730	End	1953
Name	OJ990913_19.0103.C1.o1.gp	Method	AAT/GAP
Start	1730	End	1953
GI	8022_1.R1084	Score	336
Exons	1730..1953		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6020	Seq. ID	OJ990913_19.0103.C2
Gene No.	12662	Strand	-
Start	507	End	955
Name	OJ990913_19.0103.C2.o1.gs	Method	GENSCAN
Start	507	End	955

GI	none	Score	.77
Exons	507..573, 876..955		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12663	Strand	+
Start	1	End	10156
Name	OJ990913_19.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	1943
GI	2982452	Score	850
Exons	1..1058, 1454..1943		
GI Descrip.	(AL022223) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12663	Strand	+
Start	1	End	10156
Name	OJ990913_19.0103.C3.o1.gs	Method	GENSCAN
Start	82	End	10156
GI	none	Score	.54
Exons	82..1058, 1488..1798, 2186..2507, 2578..2663, 2716..2838, 3034..3081, 5727..6206, 6911..7686, 7973..8062, 8288..8536, 8971..9189, 9899..10156		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12663	Strand	+
Start	1	End	10156
Name	OJ990913_19.0103.C3.o2.np	Method	AAT/NAP
Start	5783	End	10111
GI	3287682	Score	1113
Exons	5783..5914, 6038..6210, 6915..7686, 7792..7869, 7973..8098, 8327..8544, 8976..9189, 9899..10111		
GI Descrip.	(AC003979) Strong similarity to gb|M97657 poly(A)-binding protein (PABP5) from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o2.ts	Method	TBLASTX:Soybean
Start	190	End	11841
GI	none	Score	72
Exons	190..291, 486..635, 486..635, 487..636, 669..788, 670..804, 670..807, 805..1077, 837..986, 1014..1052, 1486..1698, 1487..1579, 1643..1687, 1682..1816, 11236..11292, 11668..11841		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	486	End	11841
GI	none	Score	65
Exons	486..611, 486..635, 487..636, 670..804, 693..785, 805..1077, 805..1053, 1487..1561, 11668..11841		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o2.tc	Method	TBLASTX:Cress

Start	487	End	11826
GI	none	Score	301
Exons	487..816, 492..608, 670..807, 820..1077, 840..986, 1014..1052, 1486..1578, 1487..1579, 1706..1792, 11236..11292, 11668..11826		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o2.tw	Method	TBLASTX:Wheat
Start	676	End	11829
GI	none	Score	99
Exons	676..822, 806..994, 820..1053, 820..984, 822..1055, 840..992, 11668..11829		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o3.tc	Method	TBLASTX:Cress
Start	1579	End	1837
GI	none	Score	153
Exons	1579..1689, 1580..1705, 1795..1833, 1796..1837		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	6044	End	10060
GI	none	Score	86
Exons	6044..6160, 6158..6205, 6888..7529, 6910..7689, 7012..7257, 7029..7202, 7249..7554, 7610..7687, 7641..7703, 7791..7868, 7791..7871, 7792..7872, 7792..7872, 7792..7872, 7973..8047, 7985..8059, 9898..10056, 9899..10060		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	6044	End	10060
GI	none	Score	108
Exons	6044..6160, 6044..6175, 6158..6205, 6906..7529, 6910..7689, 7015..7260, 7029..7274, 7249..7554, 7293..7535, 7466..7636, 7791..7859, 7792..7872, 7979..8047, 7985..8059, 9898..10056, 9899..10060		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	6044	End	10060
GI	none	Score	102
Exons	6044..6160, 6158..6205, 6856..6933, 6888..7526, 6910..7689, 7015..7257, 7029..7214, 7249..7554, 7293..7535, 7593..7688, 7791..7859, 7982..8053, 7985..8059, 9898..10059, 9899..10060		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905

Name	OJ990913_19.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	7015	End	7872
GI	none	Score	138
Exons	7015..7260, 7015..7092, 7029..7232, 7258..7365, 7278..7529, 7282..7674, 7284..7364, 7596..7667, 7792..7872		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o3.tw	Method	TBLASTX:Wheat
Start	9881	End	10060
GI	none	Score	180
Exons	9881..10060, 9897..10043		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o1.gp	Method	AAT/GAP
Start	10537	End	11020
GI	70383_1.R1084	Score	929
Exons	10537..11020		
GI Descrip.	'2947063 8.0e-09 (AC002521) putative Ser/Thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	10859	End	11667
GI	none	Score	237
Exons	10859..11089, 10906..11112, 10907..11107, 11183..11302, 11188..11316, 11509..11559, 11629..11667		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o3.np	Method	AAT/NAP
Start	10861	End	11905
GI	2947063	Score	392
Exons	10861..11109, 11194..11291, 11655..11905		
GI Descrip.	(AC002521) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o2.gs	Method	GENSCAN
Start	10864	End	11846
GI	none	Score	.76
Exons	10864..11109, 11194..11314, 11507..11556, 11638..11846		

Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o3.ts	Method	TBLASTX:Soybean
Start	10909	End	11118
GI	none	Score	118

Exons	10909..11118, 10910..11062		
Seq. No.	6021	Seq. ID	OJ990913_19.0103.C3
Gene No.	12664	Strand	-
Start	10537	End	11905
Name	OJ990913_19.0103.C3.o2.gp	Method	AAT/GAP
Start	11286	End	11846
GI	15891_1.R1084	Score	511
Exons	11286..11314, 11507..11556, 11638..11846		
GI Descrip.	'2947063 1.0e-35 (AC002521) putative Ser/Thr protein kinase [Arabidopsis thaliana]'		
Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12665	Strand	+
Start	6963	End	9373
Name	OJ990913_19.0103.C4.o2.gs	Method	GENSCAN
Start	6963	End	9373
GI	none	Score	.49
Exons	6963..7081, 8319..8366, 8371..8474, 9243..9373		
Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12666	Strand	-
Start	1	End	2484
Name	OJ990913_19.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	2468
GI	2947063	Score	472
Exons	1..45, 539..676, 1194..2468		
GI Descrip.	(AC002521) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12666	Strand	-
Start	1	End	2484
Name	OJ990913_19.0103.C4.o1.gp	Method	AAT/GAP
Start	494	End	1551
GI	none	Score	925
Exons	494..661, 1194..1551		
Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12666	Strand	-
Start	1	End	2484
Name	OJ990913_19.0103.C4.o1.gs	Method	GENSCAN
Start	528	End	2484
GI	none	Score	.6
Exons	528..661, 1194..2484		
Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	628	End	1692
GI	none	Score	61
Exons	628..684, 1306..1341, 1463..1690, 1468..1692		
Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090

Name	OJ990913_19.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	1538	End	2085
GI	none	Score	135
Exons	1538..2056, 1540..2085		

Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	1603	End	2070
GI	none	Score	175
Exons	1603..1731, 1669..1803, 1807..2070		

Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o4.tm	Method	TBLASTX:Maize
Start	1696	End	2152
GI	none	Score	55
Exons	1696..1797, 1706..1834, 1717..2070, 1946..1990, 2081..2152		

Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o3.gs	Method	GENSCAN
Start	10536	End	15090
GI	none	Score	.56
Exons	10536..10651, 12670..12870, 12907..13111, 13192..13549, 14611..14736, 14854..14956, 15060..15090		

Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o2.gp	Method	AAT/GAP
Start	12282	End	13573
GI	16675_1.R1084	Score	1905
Exons	12282..12411, 12515..12558, 12670..13111, 13192..13573		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	12699	End	13024
GI	none	Score	83
Exons	12699..12788, 12702..12767, 12776..12826, 12782..12829, 12790..12843, 12829..12966, 12830..13024, 12832..13023, 12833..13024		

Seq. No.	6022	Seq. ID	OJ990913_19.0103.C4
Gene No.	12667	Strand	-
Start	10536	End	15090
Name	OJ990913_19.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	13025	End	14958
GI	none	Score	109
Exons	13025..13114, 13026..13112, 13192..13497, 13192..13497,		

13513..13563, 13513..13557, 14844..14894, 14877..14951,
14880..14936, 14881..14958, 14887..14958

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12668	Strand	+
Start	232	End	642
Name	OJ990913_19.0103.C5.o1.gs	Method	GENSCAN
Start	232	End	642
GI	none	Score	.7
Exons	232..642		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12669	Strand	+
Start	2937	End	4202
Name	OJ990913_19.0103.C5.o3.gs	Method	GENSCAN
Start	2937	End	4202
GI	none	Score	.99
Exons	2937..3000, 3988..4202		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12670	Strand	+
Start	5760	End	13194
Name	OJ990913_19.0103.C5.o4.gs	Method	GENSCAN
Start	5760	End	13194
GI	none	Score	.68
Exons	5760..5846, 6550..6853, 7103..7179, 7272..7416, 7678..7800, 7897..8024, 8635..8793, 9010..9172, 9476..9559, 9777..10138, 10547..10747, 11068..11177, 11284..11368, 12895..13194		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12670	Strand	+
Start	5760	End	13194
Name	OJ990913_19.0103.C5.o1.np	Method	AAT/NAP
Start	5775	End	13191
GI	4741192	Score	2024
Exons	5775..5846, 6475..6810, 7272..7416, 7681..7800, 7897..8024, 8635..8793, 9010..9172, 9255..9380, 9476..9559, 9777..10138, 10547..10747, 11068..11177, 11284..11368, 11865..11993, 12088..12193, 12318..12406, 12895..13191		
GI Descrip.	(AL049746) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12671	Strand	-
Start	1109	End	2514
Name	OJ990913_19.0103.C5.o2.gs	Method	GENSCAN
Start	1109	End	2514
GI	none	Score	.68
Exons	1109..1518, 2005..2040, 2355..2514		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12672	Strand	
Start	9040	End	9573
Name	OJ990913_19.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	9040	End	9373
GI	none	Score	166
Exons	9040..9186, 9045..9173, 9253..9372, 9254..9373		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12672	Strand	
Start	9040	End	9573
Name	OJ990913_19.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	9251	End	9573
GI	none	Score	141
Exons	9251..9385, 9253..9390, 9481..9573		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12673	Strand	
Start	9478	End	10663
Name	OJ990913_19.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	9478	End	10663
GI	none	Score	78
Exons	9478..9558, 9781..10005, 9782..10006, 10535..10654, 10535..10663		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12673	Strand	
Start	9478	End	10663
Name	OJ990913_19.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	9772	End	10003
GI	none	Score	106
Exons	9772..9954, 9773..10003, 9782..9925, 9807..9941		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12674	Strand	
Start	11146	End	12978
Name	OJ990913_19.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	11146	End	12198
GI	none	Score	50
Exons	11146..11178, 11148..11183, 11285..11362, 11287..11361, 11861..11995, 11862..11996, 12069..12194, 12082..12198		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12674	Strand	
Start	11146	End	12978
Name	OJ990913_19.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	11921	End	12978
GI	none	Score	113
Exons	11921..11995, 11922..11996, 12083..12187, 12085..12198, 12087..12194, 12301..12408, 12320..12409, 12879..12977, 12892..12978, 12894..12977		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12675	Strand	
Start	12979	End	13199
Name	OJ990913_19.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	12979	End	13194
GI	none	Score	243
Exons	12979..13194, 12981..13172		

Seq. No.	6023	Seq. ID	OJ990913_19.0103.C5
Gene No.	12675	Strand	
Start	12979	End	13199
Name	OJ990913_19.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	13012	End	13199
GI	none	Score	197

Exons	13012..13194, 13014..13199		
Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12676	Strand	+
Start	881	End	3657
Name	OJ990913_19.0103.C6.o1.gp	Method	AAT/GAP
Start	881	End	3057
GI	22987_1.R1084	Score	1545
Exons	881..1065, 2445..3057		
GI Descrip.	'4490733/emb|CAB38936.1| 2.0e-38 (AL035709) putative protein [Arabidopsis thaliana]'		
Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12676	Strand	+
Start	881	End	3657
Name	OJ990913_19.0103.C6.o1.np	Method	AAT/NAP
Start	2500	End	3657
GI	4490733	Score	1027
Exons	2500..3657		
GI Descrip.	(AL035709) putative protein [Arabidopsis thaliana]		
Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12677	Strand	+
Start	8809	End	9115
Name	OJ990913_19.0103.C6.o2.gp	Method	AAT/GAP
Start	8809	End	9115
GI	3761222	Score	542
Exons	8809..9115		
Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12678	Strand	-
Start	4399	End	9164
Name	OJ990913_19.0103.C6.o2.gs	Method	GENSCAN
Start	4399	End	9164
GI	none	Score	.8
Exons	4399..4527, 4652..4804, 5403..5698, 5792..8783, 9096..9164		
Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12678	Strand	-
Start	4399	End	9164
Name	OJ990913_19.0103.C6.o2.np	Method	AAT/NAP
Start	5340	End	8818
GI	6522541	Score	1708
Exons	5340..5698, 5792..6305, 6336..7972, 8333..8818		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		
Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	2487	End	3159
GI	none	Score	51
Exons	2487..2564, 2500..2931, 2500..2925, 2604..2942, 2929..3096, 2930..3121, 2937..3122, 2938..3123, 2939..3127, 3109..3159, 3111..3158		
Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6

Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	2491	End	3262
GI	none	Score	126
Exons	2491..2646, 2500..2613, 2641..3249, 2641..3093, 2757..3248, 2948..3262		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	3192	End	3665
GI	none	Score	764
Exons	3192..3665, 3193..3663		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o3.ts	Method	TBLASTX:Soybean
Start	3273	End	3668
GI	none	Score	526
Exons	3273..3668, 3274..3660, 3279..3659		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o2.tc	Method	TBLASTX:Cress
Start	3403	End	3678
GI	none	Score	307
Exons	3403..3678, 3408..3668		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o5.tm	Method	TBLASTX:Maize
Start	5409	End	5715
GI	none	Score	53
Exons	5409..5513, 5410..5511, 5469..5699, 5497..5700, 5623..5715		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o2.ts	Method	TBLASTX:Soybean
Start	5514	End	6416
GI	none	Score	88
Exons	5514..5699, 5524..5700, 5793..5837, 5794..5823, 5832..6074, 5872..6048, 6081..6278, 6091..6246, 6327..6416, 6328..6414		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o2.tw	Method	TBLASTX:Wheat
Start	5602	End	6026
GI	none	Score	61
Exons	5602..5700, 5610..5699, 5793..5822, 5871..6026, 5875..5958		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	5604	End	8687
GI	none	Score	93

Exons 5604..5699, 5863..6021, 5877..6044, 6078..6146, 6079..6177, 6150..6230, 6669..7013, 6681..7178, 6681..6998, 6681..6962, 6681..6818, 6687..7013, 6687..7007, 6687..7013, 6687..6734, 6687..7016, 6738..6998, 6813..7013, 6823..7029, 6903..6956, 6936..7016, 6978..7139, 7014..7388, 7020..7394, 7020..7385, 7023..7394, 7023..7259, 7041..7484, 7041..7385, 7050..7394, 7071..7253, 7113..7361, 7176..7391, 7506..7691, 7560..7691, 7563..7685, 7563..7682, 7626..7793, 7698..8405, 7698..8195, 7710..8060, 7710..7976, 7710..7859, 7726..7878, 7764..8561, 7773..8078, 7794..7979, 7836..8585, 7926..8219, 8133..8612, 8142..8612, 8142..8435, 8143..8238, 8163..8336, 8176..8295, 8205..8624, 8205..8507, 8215..8541, 8286..8567, 8346..8591, 8359..8496, 8361..8471, 8415..8627, 8418..8621, 8496..8633, 8643..8687

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o3.tm	Method	TBLASTX:Maize
Start	5799	End	6246
GI	none	Score	102

Exons 5799..5840, 5871..6047, 5887..6018, 6060..6245, 6061..6246

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o4.ts	Method	TBLASTX:Soybean
Start	6627	End	8621
GI	none	Score	79

Exons 6627..7016, 6681..7013, 6681..7013, 6687..7385, 6687..7013, 6687..7127, 7014..7292, 7014..7361, 7023..7361, 7041..7391, 7041..7385, 7047..7388, 7074..7199, 7123..7350, 7251..7388, 7290..7385, 7389..7463, 7421..7468, 7521..7574, 7563..8081, 7563..7691, 7563..7688, 7564..7962, 7698..7829, 7698..7877, 7698..7787, 7698..7805, 7701..7964, 7704..7871, 7710..8081, 7710..8081, 7710..8021, 7926..8525, 8067..8477, 8133..8585, 8136..8612, 8139..8615, 8139..8549, 8142..8621, 8142..8429, 8142..8606, 8143..8319, 8143..8298, 8187..8585, 8244..8363, 8359..8529, 8431..8589, 8460..8579

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	6681	End	8747
GI	none	Score	65

Exons 6681..6869, 6705..7013, 7014..7313, 7137..7388, 7281..7391, 7501..7659, 7563..7691, 7725..8030, 7927..8019, 8016..8318, 8157..8468, 8229..8549, 8301..8624, 8445..8627, 8643..8747

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6

Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o4.tm	Method	TBLASTX:Maize
Start	6681	End	8633
GI	none	Score	83
Exons	6681..7013, 6913..6987, 7011..7304, 7014..7244, 7041..7385, 7122..7376, 7176..7451, 7185..7388, 7560..7685, 7698..7820, 7698..7877, 7701..7877, 7701..7964, 7705..7866, 7710..7865, 7851..7958, 7852..8016, 7926..8081, 7990..8109, 7992..8474, 7995..8081, 8070..8324, 8142..8540, 8143..8313, 8143..8394, 8215..8322, 8346..8606, 8415..8612, 8418..8633, 8419..8586, 8431..8607		

Seq. No.	6024	Seq. ID	OJ990913_19.0103.C6
Gene No.	12679	Strand	-
Start	10478	End	11036
Name	OJ990913_19.0103.C6.o3.gs	Method	GENSCAN
Start	10478	End	11036
GI	none	Score	.54
Exons	10478..10551, 10865..11036		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12680	Strand	+
Start	2421	End	4585
Name	OJ990913_19.0103.C7.o3.np	Method	AAT/NAP
Start	2421	End	4585
GI	5918469	Score	57
Exons	2421..2827, 4555..4585		
GI Descrip.	(AL118514) DNA polymerase III subunit gamma [Streptomyces coelicolor A3(2)]		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12680	Strand	+
Start	2421	End	4585
Name	OJ990913_19.0103.C7.o2.gs	Method	GENSCAN
Start	3438	End	4394
GI	none	Score	.83
Exons	3438..3654, 4270..4394		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o1.np	Method	AAT/NAP
Start	1	End	3638
GI	4680199	Score	462
Exons	1..38, 129..813, 1227..1766, 1893..2191, 2379..2540, 3308..3510, 3589..3638		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o2.np	Method	AAT/NAP
Start	1	End	3931
GI	4680199	Score	470
Exons	1..38, 129..813, 1227..1766, 1893..2183, 3881..3931		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	126	End	495
GI	none	Score	94
Exons	126..392, 127..249, 127..411, 128..388, 382..495, 412..483		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	127	End	390
GI	none	Score	187
Exons	127..390		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	166	End	619
GI	none	Score	51
Exons	166..429, 335..430, 433..594, 470..577, 569..619		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o1.gs	Method	GENSCAN
Start	1214	End	2735
GI	none	Score	.56
Exons	1214..1792, 1878..2183, 2424..2735		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	1622	End	1947
GI	none	Score	138
Exons	1622..1792, 1662..1796, 1876..1947, 1878..1946		

Seq. No.	6025	Seq. ID	OJ990913_19.0103.C7
Gene No.	12681	Strand	-
Start	1	End	3931
Name	OJ990913_19.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	1890	End	2175
GI	none	Score	40
Exons	1890..2174, 1893..1937, 1894..1941, 1965..2174, 1996..2175		

Seq. No.	6026	Seq. ID	OJ990913_19.0103.C9
Gene No.	12682	Strand	-
Start	241	End	280
Name	OJ990913_19.0103.C9.o1.gs	Method	GENSCAN
Start	241	End	280
GI	none	Score	.89
Exons	241..280		

Seq. No.	6027	Seq. ID	OJ990913_19.0103.C10
Gene No.	12683	Strand	-
Start	412	End	3273
Name	OJ990913_19.0103.C10.o1.gs	Method	GENSCAN
Start	412	End	2731
GI	none	Score	.66
Exons	412..801, 874..972, 1484..1657, 1743..2380, 2547..2599, 2691..2731		

Seq. No.	6027	Seq. ID	OJ990913_19.0103.C10
Gene No.	12683	Strand	-
Start	412	End	3273
Name	OJ990913_19.0103.C10.o1.np	Method	AAT/NAP
Start	454	End	3273
GI	6815062	Score	1382
Exons	454..644, 751..801, 874..972, 1049..1358, 1417..1657, 1743..2599, 2691..2761, 2933..3273		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	6027	Seq. ID	OJ990913_19.0103.C10
Gene No.	12683	Strand	-
Start	412	End	3273
Name	OJ990913_19.0103.C10.o2.tm	Method	TBLASTX:Maize
Start	1052	End	1657
GI	none	Score	101
Exons	1052..1234, 1274..1351, 1448..1657, 1449..1607		

Seq. No.	6027	Seq. ID	OJ990913_19.0103.C10
Gene No.	12683	Strand	-
Start	412	End	3273
Name	OJ990913_19.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	1896	End	2366
GI	none	Score	179
Exons	1896..2234, 1900..2187, 1980..2234, 2265..2366, 2275..2349		

Seq. No.	6028	Seq. ID	OJ990913_19.0103.C11
Gene No.	12684	Strand	-
Start	26	End	801
Name	OJ990913_19.0103.C11.o1.gs	Method	GENSCAN
Start	26	End	801
GI	none	Score	.64
Exons	26..342, 353..493, 669..801		

Seq. No.	6029	Seq. ID	OJ990913_19.0103.C13
Gene No.	12685	Strand	-
Start	1	End	710
Name	OJ990913_19.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	710
GI	5690095	Score	323
Exons	1..710		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	6029	Seq. ID	OJ990913_19.0103.C13
Gene No.	12685	Strand	-
Start	1	End	710

Name	OJ990913_19.0103.C13.o1.gs	Method	GENSCAN
Start	274	End	652
GI	none	Score	.43
Exons	274..652		

Seq. No.	6030	Seq. ID	OJ990913_19.0103.C14
Gene No.	12686	Strand	-
Start	263	End	495
Name	OJ990913_19.0103.C14.o1.gs	Method	GENSCAN
Start	263	End	375
GI	none	Score	.51
Exons	263..375		

Seq. No.	6030	Seq. ID	OJ990913_19.0103.C14
Gene No.	12686	Strand	-
Start	263	End	495
Name	OJ990913_19.0103.C14.o1.np	Method	AAT/NAP
Start	266	End	495
GI	4680186	Score	305
Exons	266..495		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6031	Seq. ID	OJ990913_19.0103.C15
Gene No.	12687	Strand	+
Start	1	End	189
Name	OJ990913_19.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	189
GI	6815062	Score	125
Exons	1..189		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	6031	Seq. ID	OJ990913_19.0103.C15
Gene No.	12687	Strand	+
Start	1	End	189
Name	OJ990913_19.0103.C15.o1.gs	Method	GENSCAN
Start	2	End	83
GI	none	Score	.7
Exons	2..83		

Seq. No.	6032	Seq. ID	OJ990913_19.0103.C16
Gene No.	12688	Strand	-
Start	44	End	568
Name	OJ990913_19.0103.C16.o1.gs	Method	GENSCAN
Start	44	End	568
GI	none	Score	.89
Exons	44..241, 515..568		

Seq. No.	6033	Seq. ID	OJ990913_19.0103.C18
Gene No.	12689	Strand	-
Start	1	End	2099
Name	OJ990913_19.0103.C18.o1.np	Method	AAT/NAP
Start	1	End	2099
GI	6522592	Score	883
Exons	1..745, 952..1449, 1594..2099		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis		

thaliana]

Seq. No.	6033	Seq. ID	OJ990913_19.0103.C18
Gene No.	12689	Strand	-
Start	1	End	2099
Name	OJ990913_19.0103.C18.o1.tc	Method	TBLASTX:Cress
Start	3	End	1903
GI	none	Score	85
Exons	3..242, 3..239, 3..239, 6..140, 6..239, 6..110, 6..239, 103..234, 109..234, 189..239, 192..245, 201..239, 201..239, 243..617, 243..437, 246..437, 246..602, 249..617, 249..386, 249..440, 255..395, 267..395, 279..614, 345..437, 402..611, 420..617, 492..635, 492..617, 789..911, 789..917, 792..917, 866..904, 953..1102, 953..1102, 953..1102, 956..1102, 956..1102, 986..1102, 1007..1102, 1152..1256, 1287..1523, 1289..1435, 1292..1393, 1295..1444, 1295..1849, 1295..1633, 1298..1444, 1307..1840, 1368..1487, 1499..1852, 1502..1837, 1502..1744, 1511..1855, 1520..1846, 1571..1861, 1583..1837, 1655..1798, 1658..1876, 1697..1834, 1868..1903		

Seq. No.	6033	Seq. ID	OJ990913_19.0103.C18
Gene No.	12689	Strand	-
Start	1	End	2099
Name	OJ990913_19.0103.C18.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1876
GI	none	Score	63
Exons	3..242, 6..239, 60..239, 243..617, 246..437, 246..548, 249..617, 249..431, 259..516, 279..614, 322..432, 469..516, 492..623, 786..911, 953..1102, 956..1105, 956..1102, 1224..1595, 1290..1544, 1295..1444, 1295..1837, 1298..1444, 1361..1840, 1368..1544, 1496..1774, 1511..1582, 1511..1840, 1520..1846, 1571..1861, 1658..1876		

Seq. No.	6033	Seq. ID	OJ990913_19.0103.C18
Gene No.	12689	Strand	-
Start	1	End	2099
Name	OJ990913_19.0103.C18.o2.tw	Method	TBLASTX:Wheat
Start	3	End	1969
GI	none	Score	49
Exons	3..245, 249..368, 792..917, 793..873, 956..1105, 956..1102, 1295..1444, 1305..1562, 1377..1595, 1382..1705, 1526..1852, 1868..1969		

Seq. No.	6033	Seq. ID	OJ990913_19.0103.C18
Gene No.	12689	Strand	-
Start	1	End	2099
Name	OJ990913_19.0103.C18.o1.tm	Method	TBLASTX:Maize
Start	3	End	1849
GI	none	Score	61
Exons	3..239, 6..254, 6..113, 6..239, 118..237, 185..265, 240..602, 240..437, 243..437, 246..635, 255..395, 492..590, 699..797, 786..908, 956..1102, 956..1102, 1025..1105, 1295..1837, 1295..1639, 1298..1849, 1511..1840, 1604..1846		

Seq. No.	6033	Seq. ID	OJ990913_19.0103.C18
Gene No.	12689	Strand	-
Start	1	End	2099

Name	OJ990913_19.0103.C18.o1.tw	Method	TBLASTX:Wheat
Start	369	End	789
GI	none	Score	227
Exons	369..440, 508..789, 510..788		

Seq. No.	6034	Seq. ID	OJ990913_19.0103.C19
Gene No.	12690	Strand	+
Start	280	End	519
Name	OJ990913_19.0103.C19.o1.gs	Method	GENSCAN
Start	280	End	519
GI	none	Score	.78
Exons	280..375, 386..519		

Seq. No.	6035	Seq. ID	OJ990913_19.0103.C20
Gene No.	12691	Strand	+
Start	110	End	280
Name	OJ990913_19.0103.C20.o1.gs	Method	GENSCAN
Start	110	End	280
GI	none	Score	.99
Exons	110..280		

Seq. No.	6035	Seq. ID	OJ990913_19.0103.C20
Gene No.	12692	Strand	+
Start	2392	End	6294
Name	OJ990913_19.0103.C20.o3.gs	Method	GENSCAN
Start	2392	End	3992
GI	none	Score	.68
Exons	2392..2523, 3306..3992		

Seq. No.	6035	Seq. ID	OJ990913_19.0103.C20
Gene No.	12692	Strand	+
Start	2392	End	6294
Name	OJ990913_19.0103.C20.o1.gp	Method	AAT/GAP
Start	2397	End	6294
GI	uC-osflcyp144h10b1	Score	838
Exons	2397..2523, 5941..6294		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6035	Seq. ID	OJ990913_19.0103.C20
Gene No.	12693	Strand	-
Start	839	End	1460
Name	OJ990913_19.0103.C20.o2.gs	Method	GENSCAN
Start	839	End	1460
GI	none	Score	.6
Exons	839..1011, 1109..1460		

Seq. No.	6035	Seq. ID	OJ990913_19.0103.C20
Gene No.	12694	Strand	-
Start	3566	End	11982
Name	OJ990913_19.0103.C20.o1.np	Method	AAT/NAP
Start	3566	End	5043
GI	5852179	Score	313
Exons	3566..3750, 3824..4036, 5023..5043		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	6035	Seq. ID	OJ990913_19.0103.C20

Gene No.	12694	Strand	-
Start	3566	End	11982
Name	OJ990913_19.0103.C20.o4.gs	Method	GENSCAN
Start	4414	End	11982
GI	none	Score	.49
Exons	4414..4551, 5639..5719, 5976..6744, 6831..7152, 7446..7812, 9760..9962, 9983..10098, 10500..10632, 11925..11982		

Seq. No.	6036	Seq. ID	OJ990913_19.0103.C21
Gene No.	12695	Strand	+
Start	1	End	1383
Name	OJ990913_19.0103.C21.o1.np	Method	AAT/NAP
Start	1	End	1383
GI	2982452	Score	899
Exons	1..1383		
GI Descrip.	(AL022223) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	6036	Seq. ID	OJ990913_19.0103.C21
Gene No.	12695	Strand	+
Start	1	End	1383
Name	OJ990913_19.0103.C21.o1.gs	Method	GENSCAN
Start	58	End	1339
GI	none	Score	.75
Exons	58..1339		

Seq. No.	6036	Seq. ID	OJ990913_19.0103.C21
Gene No.	12695	Strand	+
Start	1	End	1383
Name	OJ990913_19.0103.C21.o1.ts	Method	TBLASTX:Soybean
Start	97	End	1380
GI	none	Score	80
Exons	97..195, 97..774, 106..390, 244..846, 388..1023, 468..728, 475..1068, 511..918, 529..1071, 543..743, 583..990, 655..1065, 697..816, 799..1071, 822..1070, 828..1277, 828..1133, 913..1032, 1038..1205, 1116..1277, 1132..1368, 1132..1377, 1132..1350, 1132..1380, 1132..1377, 1132..1248, 1153..1377, 1159..1350, 1183..1380, 1201..1305, 1249..1380		

Seq. No.	6036	Seq. ID	OJ990913_19.0103.C21
Gene No.	12695	Strand	+
Start	1	End	1383
Name	OJ990913_19.0103.C21.o1.tc	Method	TBLASTX:Cress
Start	103	End	1380
GI	none	Score	71
Exons	103..195, 103..390, 103..390, 103..264, 106..390, 106..390, 108..362, 112..369, 171..350, 241..357, 388..843, 388..702, 396..752, 397..1071, 397..1059, 397..939, 397..660, 399..629, 402..701, 436..1002, 468..710, 517..1071, 613..1071, 652..1062, 727..1071, 727..1074, 853..918, 868..1062, 903..1070, 978..1133, 1098..1277, 1132..1377, 1132..1377, 1132..1377, 1132..1350, 1132..1224, 1132..1377, 1135..1380, 1138..1209, 1168..1377		

Seq. No.	6036	Seq. ID	OJ990913_19.0103.C21
Gene No.	12695	Strand	+
Start	1	End	1383
Name	OJ990913_19.0103.C21.o1.tm	Method	TBLASTX:Maize

Start	103	End	1383
GI	none	Score	81
Exons	103..267, 106..369, 370..516, 394..657, 397..804, 469..873, 472..630, 541..951, 592..774, 592..765, 604..831, 661..846, 664..834, 685..1071, 831..887, 834..1064, 901..1059, 906..1106, 952..1071, 967..1053, 1113..1232, 1132..1350, 1132..1233, 1132..1278, 1162..1350, 1185..1349, 1240..1287, 1255..1383		

Seq. No.	6036	Seq. ID	OJ990913_19.0103.C21
Gene No.	12695	Strand	+
Start	1	End	1383
Name	OJ990913_19.0103.C21.o1.tw	Method	TBLASTX:Wheat
Start	256	End	1350
GI	none	Score	68
Exons	256..390, 607..771, 690..728, 691..843, 709..915, 763..915, 853..1053, 855..1052, 979..1074, 997..1071, 1132..1275, 1132..1281, 1213..1350		

Seq. No.	6037	Seq. ID	OJ990913_19.0103.C22
Gene No.	12696	Strand	+
Start	45	End	248
Name	OJ990913_19.0103.C22.o1.gs	Method	GENSCAN
Start	45	End	248
GI	none	Score	.42
Exons	45..248		

Seq. No.	6037	Seq. ID	OJ990913_19.0103.C22
Gene No.	12697	Strand	-
Start	1	End	383
Name	OJ990913_19.0103.C22.o1.gp	Method	AAT/GAP
Start	1	End	211
GI	2798320	Score	363
Exons	1..211		

Seq. No.	6037	Seq. ID	OJ990913_19.0103.C22
Gene No.	12697	Strand	-
Start	1	End	383
Name	OJ990913_19.0103.C22.o1.tm	Method	TBLASTX:Maize
Start	74	End	383
GI	none	Score	98
Exons	74..190, 78..191, 79..192, 193..267, 195..266, 196..267, 348..383, 353..382		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12698	Strand	+
Start	225	End	1534
Name	OJ990903_18.0103.C1.o1.gs	Method	GENSCAN
Start	225	End	1534
GI	none	Score	.82
Exons	225..403, 487..738, 1238..1271, 1349..1534		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12699	Strand	+
Start	1980	End	2419
Name	OJ990903_18.0103.C1.o1.gp	Method	AAT/GAP
Start	1980	End	2419
GI	uC-osflcyp157g04a1	Score	781

Exons	1980..2419		
GI Descrip.	'2055262/dbj|BAA19793| 7.0e-35 (AB003194) chitinase IIb [Oryza sativa]'		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	2154	End	3079
GI	none	Score	396
Exons	2154..2525, 2164..2535, 2275..2535, 2509..2571, 2652..2846, 2656..2847, 2656..2859, 2657..2857, 2929..3024, 2930..3043, 2972..3079		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o2.gs	Method	GENSCAN
Start	2160	End	3090
GI	none	Score	.86
Exons	2160..2566, 2655..3090		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	2160	End	3025
GI	none	Score	314
Exons	2160..2567, 2164..2559, 2651..2863, 2651..2833, 2653..2862, 2926..3024, 2933..3025		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	2160	End	2854
GI	none	Score	318
Exons	2160..2561, 2164..2559, 2275..2571, 2652..2774, 2656..2853, 2657..2854		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o1.np	Method	AAT/NAP
Start	2163	End	3114
GI	2055262	Score	1118
Exons	2163..2566, 2655..2866, 3044..3114		
GI Descrip.	(AB003194) chitinase IIb [Oryza sativa]		

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o2.gp	Method	AAT/GAP
Start	2715	End	3140
GI	28926_1.R1084	Score	745
Exons	2715..3140		
GI Descrip.	'3273202/dbj|BAA31146| 2.0e-30 (AB010918) responce reactor4		

[Arabidopsis thaliana]'

Seq. No.	6038	Seq. ID	OJ990903_18.0103.C1
Gene No.	12700	Strand	-
Start	2160	End	3140
Name	OJ990903_18.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	2725	End	3098
GI	none	Score	75
Exons	2725..2856, 2730..2852, 2747..2857, 2929..3024, 2930..3043, 2975..3067, 3063..3098		

Seq. No.	6039	Seq. ID	OJ990903_18.0103.C3
Gene No.	12701	Strand	-
Start	342	End	463
Name	OJ990903_18.0103.C3.o1.gs	Method	GENSCAN
Start	342	End	463
GI	none	Score	.71
Exons	342..463		

Seq. No.	6040	Seq. ID	OJ990903_18.0103.C4
Gene No.	12702	Strand	-
Start	114	End	1392
Name	OJ990903_18.0103.C4.o1.gs	Method	GENSCAN
Start	114	End	1392
GI	none	Score	.57
Exons	114..256, 1185..1392		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12703	Strand	+
Start	600	End	11292
Name	OJ990903_18.0103.C5.o1.gs	Method	GENSCAN
Start	600	End	11292
GI	none	Score	.41
Exons	600..629, 971..1151, 1631..1702, 4095..4216, 5064..5182, 5748..5940, 7155..7658, 7688..8252, 8266..8378, 8733..8770, 10464..10626, 11150..11292		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12703	Strand	+
Start	600	End	11292
Name	OJ990903_18.0103.C5.o3.gp	Method	AAT/GAP
Start	5747	End	7302
GI	428719	Score	660
Exons	5747..5940, 7155..7302		
GI Descrip.	1621268/emb|CAB02653| 2.0e-13 (Z81012) unknown [Ricinus communis]		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12703	Strand	+
Start	600	End	11292
Name	OJ990903_18.0103.C5.o2.np	Method	AAT/NAP
Start	6107	End	8262
GI	6648215	Score	767
Exons	6107..6149, 7119..7658, 7748..8262		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5

Gene No.	12704	Strand	+
Start	20932	End	22338
Name	OJ990903_18.0103.C5.o7.gp	Method	AAT/GAP
Start	20850	End	21301
GI	428591	Score	543
Exons	20850..21016, 21181..21301		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12704	Strand	+
Start	20932	End	22338
Name	OJ990903_18.0103.C5.o4.gs	Method	GENSCAN
Start	20932	End	22338
GI	none	Score	.75
Exons	20932..21016, 21181..21678, 21800..22338		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12705	Strand	+
Start	24644	End	28227
Name	OJ990903_18.0103.C5.o5.gs	Method	GENSCAN
Start	24644	End	28227
GI	none	Score	.7
Exons	24644..24722, 24897..25394, 25492..26026, 26434..26549, 26584..26756, 26817..26964, 27102..27599, 27692..28227		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12705	Strand	+
Start	24644	End	28227
Name	OJ990903_18.0103.C5.o4.np	Method	AAT/NAP
Start	26346	End	28212
GI	537313	Score	1052
Exons	26346..26397, 27054..27599, 27692..28212		
GI Descrip.	(L36159) unknown protein [Medicago sativa]		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12706	Strand	+
Start	30746	End	32890
Name	OJ990903_18.0103.C5.o6.gs	Method	GENSCAN
Start	30746	End	32890
GI	none	Score	.79
Exons	30746..30876, 30920..31057, 31781..32247, 32274..32890		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12706	Strand	+
Start	30746	End	32890
Name	OJ990903_18.0103.C5.o5.np	Method	AAT/NAP
Start	31707	End	32866
GI	1621268	Score	997
Exons	31707..32244, 32343..32866		
GI Descrip.	(Z81012) unknown [Ricinus communis]		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12706	Strand	+
Start	30746	End	32890
Name	OJ990903_18.0103.C5.o6.np	Method	AAT/NAP
Start	31797	End	32866
GI	4049348	Score	940
Exons	31797..32244, 32343..32866		

GI Descrip. (AL034567) putative protein [Arabidopsis thaliana]

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12707	Strand	+
Start	36126	End	48743
Name	OJ990903_18.0103.C5.o8.gs	Method	GENSCAN
Start	36126	End	48686
GI	none	Score	.62
Exons	36126..36322, 36677..36774, 38391..38619, 38645..38742, 39866..39954, 40020..40211, 40930..41396, 42847..42997, 43652..43802, 44230..44378, 44618..44687, 45081..45110, 45532..45601, 46233..46560, 47005..47401, 47482..47777, 48450..48686		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12707	Strand	+
Start	36126	End	48743
Name	OJ990903_18.0103.C5.o7.np	Method	AAT/NAP
Start	40966	End	41454
GI	2288994	Score	335
Exons	40966..41454		

GI Descrip. (AC002335) unknown protein [Arabidopsis thaliana]

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12707	Strand	+
Start	36126	End	48743
Name	OJ990903_18.0103.C5.o8.gp	Method	AAT/GAP
Start	46093	End	47034
GI	none	Score	955
Exons	46093..46560, 47005..47034		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12707	Strand	+
Start	36126	End	48743
Name	OJ990903_18.0103.C5.o8.np	Method	AAT/NAP
Start	47005	End	48743
GI	6850866	Score	424
Exons	47005..47445, 47532..47777, 48450..48743		

GI Descrip. (AL132959) putative protein [Arabidopsis thaliana]

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12707	Strand	+
Start	36126	End	48743
Name	OJ990903_18.0103.C5.o9.gp	Method	AAT/GAP
Start	47292	End	47764
GI	LIB3433-023-P1-K1-C6	Score	656
Exons	47292..47401, 47482..47764		

GI Descrip. '5123939/emb|CAB45497.1| 5.0e-10 (AL079349) putative protein [Arabidopsis thaliana]'

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12708	Strand	+
Start	55448	End	55958
Name	OJ990903_18.0103.C5.o11.gp	Method	AAT/GAP
Start	55448	End	55958
GI	45556_2.R1084	Score	968
Exons	55448..55958		

GI Descrip. '4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12709	Strand	-
Start	1	End	1167
Name	OJ990903_18.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	1167
GI	3273202	Score	125
Exons	1..49, 566..654, 773..845, 957..1167		

GI Descrip. (AB010918) responce reactor4 [Arabidopsis thaliana] gi|6911874|emb|CAB72174.1| (AL138655) responce reactor 4 [Arabidopsis thaliana]

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12709	Strand	-
Start	1	End	1167
Name	OJ990903_18.0103.C5.o1.gp	Method	AAT/GAP
Start	573	End	664
GI	428412	Score	92
Exons	573..664		

GI Descrip. 3273202/dbj|BAA31146| 2.0e-30 (AB010918) responce reactor4 [Arabidopsis thaliana]

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12710	Strand	-
Start	2196	End	2505
Name	OJ990903_18.0103.C5.o2.gp	Method	AAT/GAP
Start	2196	End	2505
GI	74489_1.R1084	Score	612
Exons	2196..2505		

GI Descrip. '1621268/emb|CAB02653| 2.0e-13 (Z81012) unknown [Ricinus communis]'

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12711	Strand	-
Start	8900	End	9189
Name	OJ990903_18.0103.C5.o4.gp	Method	AAT/GAP
Start	8900	End	9189
GI	426253	Score	463
Exons	8900..9189		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12712	Strand	-
Start	9954	End	19375
Name	OJ990903_18.0103.C5.o3.np	Method	AAT/NAP
Start	9954	End	17375
GI	6630696	Score	5944
Exons	9954..10190, 13831..17375		

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12712	Strand	-
Start	9954	End	19375
Name	OJ990903_18.0103.C5.o5.gp	Method	AAT/GAP

Start	10347	End	10459
GI	uC-osflcyp088b12b1	Score	153
Exons	10347..10459		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12712	Strand	-
Start	9954	End	19375
Name	OJ990903_18.0103.C5.o3.gs	Method	GENSCAN
Start	16363	End	19375
GI	none	Score	.62
Exons	16363..16511, 16718..17081, 17124..17372, 17770..17887, 19251..19375		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12712	Strand	-
Start	9954	End	19375
Name	OJ990903_18.0103.C5.o6.gp	Method	AAT/GAP
Start	16437	End	17266
GI	101595_1.R1084	Score	1125
Exons	16437..16511, 16627..17266		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12713	Strand	-
Start	34210	End	34584
Name	OJ990903_18.0103.C5.o7.gs	Method	GENSCAN
Start	34210	End	34584
GI	none	Score	.94
Exons	34210..34584		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12714	Strand	-
Start	48519	End	49137
Name	OJ990903_18.0103.C5.o10.gp	Method	AAT/GAP
Start	48519	End	49137
GI	none	Score	1170
Exons	48519..49137		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12715	Strand	-
Start	49745	End	52910
Name	OJ990903_18.0103.C5.o9.np	Method	AAT/NAP
Start	49745	End	52910
GI	2253278	Score	577
Exons	49745..50100, 50595..50679, 51336..51468, 52354..52673, 52701..52910		
GI Descrip.	(AF005492) RF2a [Oryza sativa]		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o2.tc	Method	TBLASTX:Cress
Start	7147	End	34836
GI	none	Score	370

Exons 7147..7458, 7154..7459, 21171..21476, 21179..21472, 21255..21476, 24895..25188, 24896..25192, 27086..27397, 27091..27396, 31780..31839, 31826..32062, 31827..32063, 34724..34768, 34801..34836

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	7147	End	34836
GI	none	Score	368

Exons 7147..7509, 7154..7510, 7465..7644, 7472..7666, 7746..7811, 7750..7875, 7867..8172, 7884..8171, 8212..8259, 21171..21485, 21179..21484, 21492..21683, 21587..21688, 21801..21863, 21802..21927, 21910..22224, 21933..22223, 22258..22311, 22263..22310, 24863..25201, 24895..25206, 25186..25398, 25208..25399, 25494..25613, 25494..25553, 25602..25916, 25602..25856, 25766..25915, 25955..26002, 25956..26003, 27065..27406, 27082..27405, 27406..27513, 27407..27604, 27506..27580, 27694..27819, 27694..27807, 27699..27830, 27811..28116, 27837..27941, 27966..28115, 28156..28203, 31779..31832, 31780..31830, 31826..32047, 31827..32048, 32054..32245, 32055..32246, 32321..32485, 32353..32484, 32465..32770, 32485..32595, 32620..32769, 34724..34771, 34804..34836

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	7147	End	32903
GI	none	Score	51

Exons 7147..7197, 7154..7204, 7183..7278, 7186..7644, 7187..7645, 7707..7865, 7747..7875, 7749..7820, 7879..8274, 7884..8297, 8319..8366, 21158..21223, 21159..21230, 21213..21482, 21230..21451, 21264..21461, 21450..21665, 21479..21664, 21801..21866, 21802..21930, 21802..21897, 21877..22323, 21933..22304, 24895..24945, 24896..24964, 24929..25198, 24943..25167, 25166..25381, 25192..25392, 25445..25612, 25491..25616, 25623..26003, 25623..25964, 25730..26026, 27094..27150, 27101..27151, 27134..27403, 27148..27372, 27371..27586, 27385..27513, 27494..27595, 27694..27831, 27694..27807, 27699..27833, 27823..28203, 27834..28190, 27871..28209, 28083..28208, 31768..31830, 31779..31829, 31826..32029, 31827..32054, 32019..32273, 32033..32233, 32034..32273, 32155..32274, 32341..32484, 32342..32485, 32474..32887, 32485..32826, 32709..32903, 32711..32890

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o6.tw	Method	TBLASTX:Wheat
Start	7442	End	32383
GI	none	Score	168

Exons 7442..7666, 7762..7785, 7780..7824, 21444..21683, 21446..21676, 25160..25399, 25213..25386, 25524..25568, 27365..27604, 27706..27729, 32013..32234, 32015..32218, 32348..32383

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	7463	End	32809
GI	none	Score	224
Exons	7463..7666, 7750..7875, 7752..7814, 7867..8211, 7884..8180, 8215..8238, 21477..21701, 21494..21664, 21802..21927, 21804..21866, 21910..22263, 21933..22262, 22267..22290, 25192..25275, 25193..25399, 25306..25392, 25494..25613, 25626..25955, 25730..25954, 27398..27604, 27693..27833, 27694..27819, 27811..28155, 27834..28124, 28159..28182, 32063..32245, 32154..32243, 32351..32485, 32359..32484, 32465..32809, 32485..32778		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o8.tw	Method	TBLASTX:Wheat
Start	9459	End	9815
GI	none	Score	94
Exons	9459..9488, 9460..9588, 9532..9585, 9600..9662, 9603..9653, 9645..9743, 9674..9775, 9773..9814, 9783..9815		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	10092	End	14206
GI	none	Score	119
Exons	10092..10190, 10096..10191, 10123..10191, 13828..13878, 13832..13888, 13880..14101, 13880..14116, 13881..14132, 13938..14117, 14133..14201, 14135..14206, 14146..14205		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o7.ts	Method	TBLASTX:Soybean
Start	13783	End	14212
GI	none	Score	34
Exons	13783..13893, 13880..14062, 13938..14063, 14087..14212, 14087..14212		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o6.tm	Method	TBLASTX:Maize
Start	14062	End	14410
GI	none	Score	103
Exons	14062..14376, 14070..14303, 14072..14410, 14073..14396		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	14213	End	14560

GI	none	Score	74
Exons	14213..14401, 14214..14399, 14402..14560		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o3.tw	Method	TBLASTX:Wheat
Start	14414	End	14960
GI	none	Score	69
Exons	14414..14620, 14615..14887, 14892..14960		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o5.tm	Method	TBLASTX:Maize
Start	14495	End	14960
GI	none	Score	61
Exons	14495..14893, 14675..14824, 14892..14960, 14910..14945		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	14630	End	15095
GI	5509260	Score	46
Exons	14630..14887, 14774..14875, 14892..15095, 14896..15000		
GI Descrip.	-		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o3.tc	Method	TBLASTX:Cress
Start	14741	End	15002
GI	none	Score	84
Exons	14741..14893, 14892..15002, 14893..15000		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	15015	End	15768
GI	none	Score	105
Exons	15015..15173, 15015..15458, 15020..15448, 15265..15459, 15294..15473, 15450..15758, 15454..15768, 15455..15760		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o4.ts	Method	TBLASTX:Soybean
Start	15420	End	15816
GI	none	Score	89
Exons	15420..15458, 15463..15591, 15581..15814, 15586..15816		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o7.tm	Method	TBLASTX:Maize

Start	15604	End	16068
GI	none	Score	65
Exons	15604..16068, 15677..15778		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o5.tw	Method	TBLASTX:Wheat
Start	15769	End	15961
GI	none	Score	201
Exons	15769..15960, 15797..15961		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	16222	End	16502
GI	none	Score	336
Exons	16222..16494, 16227..16496, 16228..16494, 16229..16495, 16239..16502		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o9.tm	Method	TBLASTX:Maize
Start	17028	End	17334
GI	none	Score	110
Exons	17028..17207, 17085..17333, 17104..17334		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o4.tw	Method	TBLASTX:Wheat
Start	17084	End	17476
GI	none	Score	137
Exons	17084..17266, 17085..17369, 17104..17340, 17368..17475, 17378..17476		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	40942	End	41286
GI	none	Score	337
Exons	40942..41019, 40945..41286, 40965..41252		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	46350	End	47319
GI	none	Score	110
Exons	46350..46424, 46455..46556, 46471..46560, 46477..46560, 47002..47319, 47004..47318		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-

Start	55832	End	56201
Name	OJ990903_18.0103.C5.o5.ts	Method	TBLASTX:Soybean
Start	47149	End	48611
GI	none	Score	76
Exons	47149..47292, 47538..47780, 48447..48611		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o8.tm	Method	TBLASTX:Maize
Start	47708	End	48685
GI	none	Score	108
Exons	47708..47770, 47709..47780, 47730..47780, 48443..48571, 48444..48491, 48447..48671, 48448..48528, 48449..48685		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o10.tm	Method	TBLASTX:Maize
Start	50003	End	52422
GI	none	Score	86
Exons	50003..50110, 50596..50682, 50597..50680, 51316..51471, 51336..51485, 52353..52421, 52354..52422		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o4.tc	Method	TBLASTX:Cress
Start	50009	End	52502
GI	none	Score	115
Exons	50009..50098, 50596..50682, 50597..50683, 51270..51485, 51316..51471, 52353..52424, 52354..52425, 52464..52502		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o7.tw	Method	TBLASTX:Wheat
Start	50042	End	52427
GI	none	Score	36
Exons	50042..50110, 50573..50617, 50596..50682, 50597..50689, 51322..51486, 51336..51485, 52353..52427		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o6.ts	Method	TBLASTX:Soybean
Start	50596	End	52484
GI	none	Score	72
Exons	50596..50682, 50597..50683, 51270..51485, 51316..51471, 52353..52484		

Seq. No.	6041	Seq. ID	OJ990903_18.0103.C5
Gene No.	12716	Strand	-
Start	55832	End	56201
Name	OJ990903_18.0103.C5.o10.np	Method	AAT/NAP
Start	55832	End	56201
GI	6466939	Score	98

Exons	55832..55938, 56134..56201		
GI Descrip.	(AC009176) unknown protein, 5' partial [Arabidopsis thaliana]		
Seq. No.	6042	Seq. ID	OJ990903_18.0103.C6
Gene No.	12717	Strand	-
Start	134	End	2931
Name	OJ990903_18.0103.C6.o1.np	Method	AAT/NAP
Start	134	End	2838
GI	6041852	Score	353
Exons	134..224, 473..587, 1817..1882, 1989..2088, 2591..2838		
GI Descrip.	(AC009853) unknown protein, 3' partial [Arabidopsis thaliana]		
Seq. No.	6042	Seq. ID	OJ990903_18.0103.C6
Gene No.	12717	Strand	-
Start	134	End	2931
Name	OJ990903_18.0103.C6.o1.gs	Method	GENSCAN
Start	143	End	2796
GI	none	Score	.93
Exons	143..224, 473..587, 1989..2088, 2591..2796		
Seq. No.	6042	Seq. ID	OJ990903_18.0103.C6
Gene No.	12717	Strand	-
Start	134	End	2931
Name	OJ990903_18.0103.C6.o1.gp	Method	AAT/GAP
Start	2574	End	2931
GI	428126	Score	614
Exons	2574..2931		
Seq. No.	6042	Seq. ID	OJ990903_18.0103.C6
Gene No.	12718	Strand	-
Start	5126	End	6051
Name	OJ990903_18.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	1992	End	2797
GI	none	Score	78
Exons	1992..2045, 1992..2054, 1993..2052, 2049..2099, 2053..2103, 2576..2698, 2590..2676, 2738..2797, 2773..2796		
Seq. No.	6042	Seq. ID	OJ990903_18.0103.C6
Gene No.	12718	Strand	-
Start	5126	End	6051
Name	OJ990903_18.0103.C6.o2.gs	Method	GENSCAN
Start	5126	End	6051
GI	none	Score	.59
Exons	5126..5230, 5375..5537, 6014..6051		
Seq. No.	6043	Seq. ID	OJ990903_18.0103.C7
Gene No.	12719	Strand	+
Start	279	End	440
Name	OJ990903_18.0103.C7.o1.gs	Method	GENSCAN
Start	279	End	440
GI	none	Score	.44
Exons	279..440		
Seq. No.	6043	Seq. ID	OJ990903_18.0103.C7
Gene No.	12720	Strand	-
Start	830	End	9393
Name	OJ990903_18.0103.C7.o2.gs	Method	GENSCAN

Start	830	End	8893
GI	none	Score	.7
Exons	830..989, 1234..1381, 2620..2649, 4888..5055, 5310..5390, 5456..5687, 5942..6209, 6302..6600, 6693..7461, 7544..7694, 8248..8361, 8698..8893		

Seq. No.	6043	Seq. ID	OJ990903_18.0103.C7
Gene No.	12720	Strand	-
Start	830	End	9393
Name	OJ990903_18.0103.C7.o1.np	Method	AAT/NAP
Start	833	End	998
GI	5042462	Score	104
Exons	833..913, 942..998		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	6043	Seq. ID	OJ990903_18.0103.C7
Gene No.	12720	Strand	-
Start	830	End	9393
Name	OJ990903_18.0103.C7.o2.np	Method	AAT/NAP
Start	4764	End	9393
GI	5441880	Score	692
Exons	4764..5007, 5416..5632, 5936..6195, 6294..6594, 7113..7418, 7525..7698, 8267..8563, 8825..8874, 9316..9393		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6043	Seq. ID	OJ990903_18.0103.C7
Gene No.	12720	Strand	-
Start	830	End	9393
Name	OJ990903_18.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	7050	End	7379
GI	none	Score	96
Exons	7050..7082, 7119..7154, 7188..7316, 7189..7317, 7315..7371, 7326..7379		

Seq. No.	6043	Seq. ID	OJ990903_18.0103.C7
Gene No.	12720	Strand	-
Start	830	End	9393
Name	OJ990903_18.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	9077	End	9392
GI	none	Score	71
Exons	9077..9274, 9154..9240, 9173..9262, 9219..9266, 9287..9391, 9314..9391, 9315..9392		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12721	Strand	+
Start	3667	End	8633
Name	OJ990903_18.0103.C8.o2.gs	Method	GENSCAN
Start	3667	End	8633
GI	none	Score	.62
Exons	3667..4515, 5375..5416, 5552..6286, 6493..6602, 7338..7459, 7592..8232, 8286..8633		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12721	Strand	+

Start	3667	End	8633
Name	OJ990903_18.0103.C8.o2.np	Method	AAT/NAP
Start	4077	End	8624
GI	2288997	Score	1325
Exons	4077..4537, 5517..6286, 7354..7470, 7568..8195, 8294..8624		
GI Descrip.	(AC002335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12722	Strand	+
Start	9318	End	10179
Name	OJ990903_18.0103.C8.o3.gs	Method	GENSCAN
Start	9318	End	10179
GI	none	Score	.42
Exons	9318..9498, 9504..9656, 10136..10179		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12723	Strand	-
Start	1	End	3313
Name	OJ990903_18.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	836
GI	5441880	Score	508
Exons	1..836		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12723	Strand	-
Start	1	End	3313
Name	OJ990903_18.0103.C8.o4.tm	Method	TBLASTX:Maize
Start	1	End	267
GI	none	Score	66
Exons	1..114, 3..113, 114..266, 145..267		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12723	Strand	-
Start	1	End	3313
Name	OJ990903_18.0103.C8.o1.gs	Method	GENSCAN
Start	7	End	3313
GI	none	Score	.46
Exons	7..823, 879..1372, 1975..2114, 2148..2262, 2798..3254, 3256..3313		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12724	Strand	
Start	3583	End	4069
Name	OJ990903_18.0103.C8.o3.tm	Method	TBLASTX:Maize
Start	3583	End	4069
GI	none	Score	149
Exons	3583..3627, 3627..3761, 3646..3762, 3646..3762, 3650..3775, 3651..3764, 3750..3839, 3751..3840, 3834..3962, 3835..3930, 3962..4069, 3973..4068		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12725	Strand	
Start	4081	End	6280
Name	OJ990903_18.0103.C8.o3.ts	Method	TBLASTX:Soybean

Start	4081	End	4449
GI	none	Score	95
Exons	4081..4218, 4234..4449		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12725	Strand	
Start	4081	End	6280
Name	OJ990903_18.0103.C8.o1.tc	Method	TBLASTX:Cress
Start	4141	End	4536
GI	none	Score	78
Exons	4141..4215, 4233..4535, 4234..4536		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12725	Strand	
Start	4081	End	6280
Name	OJ990903_18.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	4292	End	6280
GI	none	Score	358
Exons	4292..4531, 4293..4532, 4294..4530, 5549..6091, 5555..6127, 5568..6098, 5710..6126, 6117..6272, 6125..6280, 6125..6271, 6156..6278		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12725	Strand	
Start	4081	End	6280
Name	OJ990903_18.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	5549	End	5983
GI	none	Score	94
Exons	5549..5653, 5717..5983		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12725	Strand	
Start	4081	End	6280
Name	OJ990903_18.0103.C8.o2.tc	Method	TBLASTX:Cress
Start	5776	End	6142
GI	none	Score	197
Exons	5776..5982, 5777..5989, 5957..6142		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12726	Strand	
Start	7354	End	8642
Name	OJ990903_18.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	7354	End	8642
GI	none	Score	127
Exons	7354..7458, 7368..7466, 7590..7913, 7591..7974, 7591..7992, 7954..8088, 7987..8040, 8036..8194, 8037..8210, 8038..8196, 8198..8602, 8199..8603, 8204..8623, 8503..8622, 8583..8642, 8594..8635		

Seq. No.	6044	Seq. ID	OJ990903_18.0103.C8
Gene No.	12726	Strand	
Start	7354	End	8642
Name	OJ990903_18.0103.C8.o2.ts	Method	TBLASTX:Soybean
Start	7579	End	7761
GI	none	Score	243
Exons	7579..7761, 7582..7743, 7590..7751		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12727	Strand	+
Start	132	End	497
Name	OJ990903_18.0103.C9.o1.gs	Method	GENSCAN
Start	132	End	497
GI	none	Score	.68
Exons	132..497		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12728	Strand	+
Start	3084	End	3925
Name	OJ990903_18.0103.C9.o2.gs	Method	GENSCAN
Start	3084	End	3925
GI	none	Score	.86
Exons	3084..3124, 3208..3925		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12728	Strand	+
Start	3084	End	3925
Name	OJ990903_18.0103.C9.o2.gp	Method	AAT/GAP
Start	3261	End	3577
GI	none	Score	604
Exons	3261..3577		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12729	Strand	+
Start	4388	End	5281
Name	OJ990903_18.0103.C9.o3.gs	Method	GENSCAN
Start	4388	End	5281
GI	none	Score	.8
Exons	4388..4528, 5066..5281		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12730	Strand	+
Start	11916	End	15103
Name	OJ990903_18.0103.C9.o2.np	Method	AAT/NAP
Start	11916	End	15103
GI	5852093	Score	108
Exons	11916..12044, 12638..12770, 13137..13363, 15074..15103		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12730	Strand	+
Start	11916	End	15103
Name	OJ990903_18.0103.C9.o3.np	Method	AAT/NAP
Start	12192	End	13617
GI	5852084	Score	76
Exons	12192..12231, 13532..13617		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12731	Strand	+
Start	17938	End	20000
Name	OJ990903_18.0103.C9.o6.np	Method	AAT/NAP
Start	17938	End	20000
GI	6721561	Score	101
Exons	17938..18029, 18495..18566, 19524..19638, 19845..20000		

GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12731	Strand	+
Start	17938	End	20000
Name	OJ990903_18.0103.C9.o3.gp	Method	AAT/GAP
Start	18537	End	19102
GI	uC-osf1cyp088b12b1	Score	141
Exons	18537..18643, 19060..19102		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12732	Strand	-
Start	7311	End	14543
Name	OJ990903_18.0103.C9.o4.gs	Method	GENSCAN
Start	7311	End	14543
GI	none	Score	.91
Exons	7311..7712, 9491..9673, 12421..12682, 14470..14543		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12732	Strand	-
Start	7311	End	14543
Name	OJ990903_18.0103.C9.o1.np	Method	AAT/NAP
Start	7323	End	12679
GI	6850889	Score	377
Exons	7323..7712, 9491..9657, 12348..12679		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	7314	End	13083
GI	none	Score	392
Exons	7314..7718, 7315..7716, 12972..13082, 12973..13083		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	9527	End	12687
GI	none	Score	75
Exons	9527..9673, 9567..9710, 12394..12687		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	12403	End	12819
GI	none	Score	77
Exons	12403..12513, 12412..12489, 12419..12589, 12532..12660, 12534..12587, 12574..12681, 12638..12682, 12775..12819,		

12789..12815

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o4.np	Method	AAT/NAP
Start	15835	End	18467
GI	6815109	Score	716
Exons	15835..16948, 17016..17121, 18430..18467		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o7.np	Method	AAT/NAP
Start	16400	End	20314
GI	6069654	Score	251
Exons	16400..17047, 18892..20314		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o5.np	Method	AAT/NAP
Start	17816	End	21866
GI	4680183	Score	133
Exons	17816..17958, 21828..21866		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6045	Seq. ID	OJ990903_18.0103.C9
Gene No.	12733	Strand	-
Start	15835	End	21866
Name	OJ990903_18.0103.C9.o8.np	Method	AAT/NAP
Start	19889	End	21682
GI	6907088	Score	186
Exons	19889..20279, 20783..21025, 21249..21337, 21648..21682		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6046	Seq. ID	OJ990903_18.0103.C10
Gene No.	12734	Strand	+
Start	1	End	690
Name	OJ990903_18.0103.C10.o1.np	Method	AAT/NAP
Start	1	End	690
GI	5690095	Score	392
Exons	1..690		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	6046	Seq. ID	OJ990903_18.0103.C10
Gene No.	12734	Strand	+
Start	1	End	690
Name	OJ990903_18.0103.C10.o1.gs	Method	GENSCAN
Start	176	End	427
GI	none	Score	.4
Exons	176..427		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12735	Strand	+

Start	1022	End	9963
Name	OJ990803_12.0103.C1.o1.gs	Method	GENSCAN
Start	1022	End	9963
GI	none	Score	.61
Exons	1022..1163, 1649..1724, 2311..2538, 2624..2736, 3021..3069, 3420..3572, 3841..3977, 4063..4110, 4290..4415, 5895..6015, 8038..8109, 9475..9584, 9667..9785, 9882..9963		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12735	Strand	+
Start	1022	End	9963
Name	OJ990803_12.0103.C1.o1.np	Method	AAT/NAP
Start	2552	End	6063
GI	1001312	Score	311
Exons	2552..2680, 3021..3069, 3420..3572, 3841..3915, 4040..4132, 4321..4411, 4509..4664, 5025..5115, 5215..5300, 5585..5634, 5889..6063		
GI Descrip.	(D64006) hypothetical protein [Synechocystis sp.]		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12735	Strand	+
Start	1022	End	9963
Name	OJ990803_12.0103.C1.o1.gp	Method	AAT/GAP
Start	5522	End	6252
GI	none	Score	804
Exons	5522..5629, 5895..6252		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12735	Strand	+
Start	1022	End	9963
Name	OJ990803_12.0103.C1.o2.gp	Method	AAT/GAP
Start	8010	End	9568
GI	none	Score	721
Exons	8010..8314, 9475..9568		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12735	Strand	+
Start	1022	End	9963
Name	OJ990803_12.0103.C1.o2.np	Method	AAT/NAP
Start	8138	End	9954
GI	6714413	Score	338
Exons	8138..8314, 9475..9584, 9667..9785, 9882..9954		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12736	Strand	-
Start	9922	End	10106
Name	OJ990803_12.0103.C1.o3.gp	Method	AAT/GAP
Start	9922	End	10106
GI	6012852	Score	340
Exons	9922..10106		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o3.tm	Method	TBLASTX:Maize
Start	2461	End	5984

GI	none	Score	37
Exons	2461..2523, 2611..2688, 2612..2704, 3019..3105, 3020..3064, 3021..3068, 3418..3570, 3418..3561, 3419..3571, 3419..3562, 3840..3977, 3842..3979, 3844..3978, 4060..4134, 4062..4136, 4063..4131, 4288..4410, 4319..4411, 4323..4412, 4507..4539, 4510..4536, 4512..4544, 4537..4587, 4540..4587, 4664..4759, 4665..4763, 4713..4760, 5014..5115, 5024..5128, 5025..5129, 5219..5293, 5220..5303, 5519..5632, 5547..5633, 5882..5983, 5883..5984		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	8168	End	9948
GI	none	Score	93
Exons	8168..8251, 8254..8313, 9479..9580, 9480..9587, 9667..9762, 9672..9785, 9865..9948, 9865..9948		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o2.tw	Method	TBLASTX:Wheat
Start	8168	End	9598
GI	none	Score	122
Exons	8168..8251, 8219..8254, 8254..8313, 8259..8330, 9477..9587, 9479..9598		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o2.ts	Method	TBLASTX:Soybean
Start	8168	End	9948
GI	none	Score	65
Exons	8168..8251, 9477..9587, 9479..9583, 9664..9762, 9690..9770, 9749..9787, 9880..9948		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	8171	End	10069
GI	none	Score	124
Exons	8171..8251, 8254..8313, 8259..8330, 9476..9583, 9476..9583, 9477..9596, 9477..9584, 9667..9762, 9669..9785, 9671..9805, 9880..9951, 9880..9948, 10019..10069		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	9672	End	9987
GI	none	Score	122
Exons	9672..9785, 9672..9785, 9673..9786, 9835..9987, 9880..9987		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-

Start	10954	End	11494
Name	OJ990803_12.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	10882	End	11494
GI	none	Score	289
Exons	10882..11211, 10903..11493, 10940..11494, 11303..11494		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o4.gp	Method	AAT/GAP
Start	10925	End	11073
GI	2796938	Score	277
Exons	10925..11073		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o3.np	Method	AAT/NAP
Start	10948	End	11427
GI	2244822	Score	447
Exons	10948..11427		
GI Descrip.	(Z97336) RNA polymerase II fifth largest subunit like protein [Arabidopsis thaliana]		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o2.gs	Method	GENSCAN
Start	10954	End	11481
GI	none	Score	.73
Exons	10954..11481		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o2.tc	Method	TBLASTX:Cress
Start	11170	End	11478
GI	none	Score	133
Exons	11170..11478, 11174..11473		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	11173	End	11493
GI	none	Score	177
Exons	11173..11493, 11174..11473, 11251..11478		

Seq. No.	6047	Seq. ID	OJ990803_12.0103.C1
Gene No.	12737	Strand	-
Start	10954	End	11494
Name	OJ990803_12.0103.C1.o5.gp	Method	AAT/GAP
Start	11286	End	11491
GI	286317	Score	303
Exons	11286..11491		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2

Gene No.	12738	Strand	+
Start	2330	End	6419
Name	OJ990803_12.0103.C2.o1.np	Method	AAT/NAP
Start	2330	End	6419
GI	1747294	Score	2835
Exons	2330..3169, 4450..4829, 5230..5316, 5414..6419		
GI Descrip.	(D45383) vacuolar H+-pyrophosphatase [Oryza sativa]		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12739	Strand	+
Start	22338	End	29177
Name	OJ990803_12.0103.C2.o3.gs	Method	GENSCAN
Start	22338	End	29177
GI	none	Score	.88
Exons	22338..22445, 22500..22643, 23484..23630, 24105..24239, 24820..24937, 25637..25761, 26085..26210, 26298..26378, 26642..26704, 26796..26870, 26965..27043, 27214..27239, 27496..27609, 27783..27896, 27993..28064, 29022..29177		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12739	Strand	+
Start	22338	End	29177
Name	OJ990803_12.0103.C2.o2.np	Method	AAT/NAP
Start	22560	End	28064
GI	6166120	Score	1078
Exons	22560..22643, 23484..23630, 24105..24236, 24816..24937, 25637..25761, 26085..26210, 26307..26378, 26642..26718, 26807..26870, 26965..27043, 27139..27239, 27496..27609, 27783..27896, 27993..28064		
GI Descrip.	DIHYDROLIPOAMIDE DEHYDROGENASE (E3 COMPONENT OF PYRUVATE COMPLEX) (LPD) gi|1321941|emb|CAA88451| (Z48564) dihydrolipoamide dehydrogenase [Synechocystis PCC6803]		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12739	Strand	+
Start	22338	End	29177
Name	OJ990803_12.0103.C2.o2.gp	Method	AAT/GAP
Start	24094	End	24919
GI	LIB3434-060-P1-K1-E6	Score	432
Exons	24094..24239, 24820..24919		
GI Descrip.	'1651828/dbj|BAA16755| 4.0e-10 (D90900) dihydrolipoamide dehydrogenase [Synechocystis sp.]'		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12740	Strand	+
Start	29471	End	29819
Name	OJ990803_12.0103.C2.o3.gp	Method	AAT/GAP
Start	29471	End	29819
GI	649_1.R1084	Score	655
Exons	29471..29819		
GI Descrip.	'2708634 0.0e+00 (AF036957) gamma-tubulin [Oryza sativa]'		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12740	Strand	+
Start	29471	End	29819
Name	OJ990803_12.0103.C2.o3.np	Method	AAT/NAP
Start	29687	End	29819

GI	640021	Score	215
Exons	29687..29819		
GI Descrip.	(X83695) gamma-tubulin 1 [Zea mays]		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	2315	End	6412
GI	none	Score	117
Exons	2315..2446, 2552..2923, 2563..2937, 3016..3174, 3017..3172, 4449..4628, 4450..4806, 5230..5310, 5234..5314, 5411..5674, 5415..6410, 5460..5696, 5735..5956, 5799..6029, 6005..6079, 6161..6412		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	2327	End	6422
GI	none	Score	128
Exons	2327..2473, 2330..2446, 2552..2923, 2560..2943, 3016..3174, 3017..3172, 4449..4628, 4450..4806, 5233..5310, 5234..5314, 5411..5674, 5415..6422, 5735..5956, 5937..6158, 6161..6418		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o1.tc	Method	TBLASTX:Cress
Start	2336	End	6422
GI	none	Score	105
Exons	2336..2470, 2546..2923, 2557..2943, 3016..3174, 3017..3172, 4449..4628, 4450..4806, 5197..5313, 5234..5314, 5411..5674, 5415..6422, 5735..5956, 5799..6155, 6161..6418		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	5230	End	5714
GI	none	Score	117
Exons	5230..5310, 5234..5314, 5411..5674, 5412..5714		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o4.tw	Method	TBLASTX:Wheat
Start	5853	End	6050
GI	none	Score	278
Exons	5853..6050, 5856..6047		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o2.tw	Method	TBLASTX:Wheat
Start	6051	End	6422
GI	none	Score	474

Exons	6051..6422, 6081..6158, 6161..6421		
Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	7959	End	9892
GI	none	Score	35
Exons	7959..7994, 8065..8481, 8083..8400, 8398..8475, 8410..8505, 8455..8505, 8895..9005, 8898..8999, 8899..9036, 9087..9197, 9087..9197, 9088..9225, 9269..9403, 9269..9385, 9270..9401, 9271..9417, 9482..9586, 9484..9615, 9533..9649, 9716..9892, 9717..9884, 9718..9885		
Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o2.gs	Method	GENSCAN
Start	8041	End	18931
GI	none	Score	.71
Exons	8041..8503, 8695..8790, 8894..9003, 9271..9402, 9820..9930, 10079..10183, 10745..10850, 10949..11026, 12027..12097, 12910..13005, 13097..13174, 13427..13494, 13648..13725, 13799..13898, 14654..14719, 14944..15023, 15988..16053, 16445..16544, 17062..17142, 17802..17984, 18510..18676, 18800..18883, 18925..18931		
Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o3.ts	Method	TBLASTX:Soybean
Start	8410	End	9888
GI	none	Score	35
Exons	8410..8475, 8437..8577, 8902..8967, 8904..9008, 9087..9224, 9088..9195, 9251..9409, 9269..9370, 9271..9417, 9484..9615, 9515..9586, 9718..9888		
Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o3.tw	Method	TBLASTX:Wheat
Start	8745	End	9534
GI	none	Score	42
Exons	8745..8792, 8746..8793, 8898..8999, 8899..9036, 8904..9005, 9087..9197, 9087..9197, 9088..9225, 9269..9403, 9269..9385, 9271..9417, 9484..9534		
Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o4.tc	Method	TBLASTX:Cress
Start	9087	End	9411
GI	none	Score	141
Exons	9087..9191, 9271..9411		
Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-

Start	8041	End	18931
Name	OJ990803_12.0103.C2.o1.gp	Method	AAT/GAP
Start	9777	End	12980
GI	none	Score	886
Exons	9777..9872, 10079..10183, 10745..10850, 10949..11026, 12027..12097, 12910..12980		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12741	Strand	-
Start	8041	End	18931
Name	OJ990803_12.0103.C2.o5.tm	Method	TBLASTX:Maize
Start	10089	End	12082
GI	none	Score	87
Exons	10089..10187, 10098..10184, 10100..10189, 10103..10198, 10108..10191, 10740..10772, 10742..10774, 10775..10849, 10781..10855, 10791..10850, 10940..11053, 10940..11032, 10948..11034, 12026..12082		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12742	Strand	
Start	23476	End	28313
Name	OJ990803_12.0103.C2.o3.tm	Method	TBLASTX:Maize
Start	23476	End	28313
GI	none	Score	253
Exons	23476..23631, 23481..23633, 23483..23638, 23483..23656, 24101..24238, 24102..24239, 24102..24239, 24819..24938, 24819..24938, 24820..24942, 24820..24951, 25620..25787, 25636..25764, 26037..26213, 26082..26213, 26140..26214, 26297..26380, 26298..26381, 26627..26710, 26627..26704, 26641..26709, 26793..26873, 26796..26873, 26797..26874, 26963..27058, 26965..27057, 27130..27228, 27137..27238, 27138..27239, 27138..27242, 27487..27612, 27493..27609, 27735..27896, 27748..27897, 27780..27896, 27782..27904, 27978..28070, 27990..28070, 28158..28313, 28159..28308		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12742	Strand	
Start	23476	End	28313
Name	OJ990803_12.0103.C2.o2.tc	Method	TBLASTX:Cress
Start	23583	End	26709
GI	none	Score	71
Exons	23583..23633, 24101..24232, 24102..24239, 24843..24938, 24844..24942, 25620..25784, 25636..25764, 26010..26213, 26082..26213, 26297..26380, 26298..26381, 26647..26709, 26651..26707		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12742	Strand	
Start	23476	End	28313
Name	OJ990803_12.0103.C2.o2.ts	Method	TBLASTX:Soybean
Start	25662	End	28079
GI	none	Score	102
Exons	25662..25763, 25662..25787, 25663..25764, 25691..25768, 26082..26213, 26084..26194, 26295..26390, 26297..26395, 26298..26381, 26640..26705, 26641..26703, 26642..26707, 26795..26872, 26796..26873, 26812..26877, 26963..27052, 26964..27038, 26965..27057, 26965..27054, 27135..27239,		

27137..27238, 27146..27247, 27487..27612, 27495..27569,
27774..27863, 27780..27896, 27782..27889, 27990..28079,
27990..28052

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12742	Strand	
Start	23476	End	28313
Name	OJ990803_12.0103.C2.o3.tc	Method	TBLASTX:Cress
Start	26830	End	27570
GI	none	Score	41
Exons	26830..26874, 26830..26871, 26963..27043, 26964..27038, 26965..27057, 26965..27057, 27119..27238, 27138..27239, 27487..27570, 27495..27569		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12743	Strand	
Start	29672	End	29817
Name	OJ990803_12.0103.C2.o4.tm	Method	TBLASTX:Maize
Start	29672	End	29812
GI	none	Score	232
Exons	29672..29812, 29677..29811		

Seq. No.	6048	Seq. ID	OJ990803_12.0103.C2
Gene No.	12743	Strand	
Start	29672	End	29817
Name	OJ990803_12.0103.C2.o4.ts	Method	TBLASTX:Soybean
Start	29684	End	29817
GI	none	Score	225
Exons	29684..29815, 29686..29811, 29722..29817		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12744	Strand	+
Start	545	End	3949
Name	OJ990803_12.0103.C3.o1.np	Method	AAT/NAP
Start	545	End	3344
GI	2708634	Score	1905
Exons	545..866, 1058..1169, 1382..1782, 1985..2038, 2128..2232, 2399..2473, 2549..2593, 2674..2802, 3115..3219, 3294..3344		
GI Descrip.	(AF036957) gamma-tubulin [Oryza sativa]		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12744	Strand	+
Start	545	End	3949
Name	OJ990803_12.0103.C3.o1.gs	Method	GENSCAN
Start	623	End	3949
GI	none	Score	.9
Exons	623..866, 1058..1169, 1382..1782, 1985..2038, 2128..2232, 2399..2473, 2674..2802, 3115..3219, 3791..3949		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12744	Strand	+
Start	545	End	3949
Name	OJ990803_12.0103.C3.o1.gp	Method	AAT/GAP
Start	664	End	3347
GI	649_1.R1084	Score	2363
Exons	664..866, 1058..1169, 1382..1782, 1985..2038, 2128..2232, 2399..2473, 2549..2593, 2674..2802, 3115..3219, 3294..3347		

GI Descrip. '2708634 0.0e+00 (AF036957) gamma-tubulin [Oryza sativa]'

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12745	Strand	+
Start	14150	End	17451
Name	OJ990803_12.0103.C3.o3.gp	Method	AAT/GAP
Start	14084	End	15819
GI	43664_1.R1084	Score	1101
Exons	14084..14322, 14802..14886, 15097..15194, 15284..15339, 15684..15819		
GI Descrip.	'1848212/emb|CAA72092| 9.0e-76 (Y11209) protein disulfide-isomerase precursor [Nicotiana tabacum]'		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12745	Strand	+
Start	14150	End	17451
Name	OJ990803_12.0103.C3.o3.gs	Method	GENSCAN
Start	14150	End	17058
GI	none	Score	.91
Exons	14150..14322, 14802..14886, 15097..15194, 15251..15339, 15684..15801, 15895..15922, 16015..16106, 16350..16506, 16589..16713, 16800..16899, 16990..17058		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12745	Strand	+
Start	14150	End	17451
Name	OJ990803_12.0103.C3.o3.np	Method	AAT/NAP
Start	14168	End	17052
GI	1848212	Score	1098
Exons	14168..14322, 14802..14886, 15097..15194, 15284..15339, 15684..15801, 15895..15922, 16015..16106, 16350..16506, 16589..16713, 16800..16899, 16990..17052		
GI Descrip.	(Y11209) protein disulfide-isomerase precursor [Nicotiana tabacum]		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12745	Strand	+
Start	14150	End	17451
Name	OJ990803_12.0103.C3.o4.gp	Method	AAT/GAP
Start	15986	End	17451
GI	23106_1.R1084	Score	1776
Exons	15986..16106, 16350..16506, 16589..16713, 16800..16899, 16990..17451		
GI Descrip.	'729442/sp|P38661|ERP5_MEDSA 6.0e-71 PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR >gi_166380 (M80235) glucose-regulated endoplasmic reticular protein precursor [Medicago sativa]'		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12746	Strand	+
Start	19567	End	22710
Name	OJ990803_12.0103.C3.o5.gs	Method	GENSCAN
Start	19567	End	22710
GI	none	Score	.52
Exons	19567..19569, 20693..21138, 21514..21631, 21688..21901, 22367..22710		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3

Gene No.	12747	Strand	-
Start	4435	End	4914
Name	OJ990803_12.0103.C3.o2.gp	Method	AAT/GAP
Start	4435	End	4914
GI	none	Score	948
Exons	4435..4914		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12748	Strand	-
Start	5088	End	10407
Name	OJ990803_12.0103.C3.o2.np	Method	AAT/NAP
Start	4794	End	8468
GI	2494162	Score	483
Exons	4794..4985, 5094..5165, 5578..5655, 5752..5811, 6363..6449, 6571..6687, 6892..7012, 7880..8012, 8256..8468		
GI Descrip.	HYPOTHETICAL 39.9 KD PROTEIN T15H9.1 IN CHROMOSOME II PRECURSOR gi|3879803|emb|CAA87414.1| (Z47356) similar to DNAJ [Caenorhabditis elegans]		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12748	Strand	-
Start	5088	End	10407
Name	OJ990803_12.0103.C3.o2.gs	Method	GENSCAN
Start	5088	End	10407
GI	none	Score	.65
Exons	5088..5165, 5713..5811, 6363..6449, 6571..6687, 6892..7012, 7880..8012, 8256..8404, 8659..8750, 8756..9083, 9728..9770, 10323..10407		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12749	Strand	-
Start	18364	End	21025
Name	OJ990803_12.0103.C3.o4.gs	Method	GENSCAN
Start	18364	End	19228
GI	none	Score	.91
Exons	18364..19003, 19176..19228		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12749	Strand	-
Start	18364	End	21025
Name	OJ990803_12.0103.C3.o4.np	Method	AAT/NAP
Start	18498	End	21025
GI	3643593	Score	321
Exons	18498..19003, 20190..20287, 20894..21025		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12750	Strand	-
Start	23611	End	25150
Name	OJ990803_12.0103.C3.o6.gs	Method	GENSCAN
Start	23611	End	25150
GI	none	Score	.71
Exons	23611..23688, 24878..25150		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12750	Strand	-
Start	23611	End	25150

Name	OJ990803_12.0103.C3.o5.gp	Method	AAT/GAP
Start	24008	End	24097
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	24008..24097		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12751	Strand	-
Start	27686	End	34074
Name	OJ990803_12.0103.C3.o7.gs	Method	GENSCAN
Start	27686	End	34074
GI	none	Score	.68
Exons	27686..27831, 27854..27965, 28043..28675, 30368..30475, 30514..30645, 30753..31034, 31676..31730, 34007..34074		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12751	Strand	-
Start	27686	End	34074
Name	OJ990803_12.0103.C3.o6.gp	Method	AAT/GAP
Start	28043	End	28535
GI	18284_1.R1084	Score	710
Exons	28043..28535		
GI Descrip.	'416316/gb|U03445|PRS405 4.0e-20 Yeast integrative vector pRS405 with LEU2 marker, complete sequence'		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12751	Strand	-
Start	27686	End	34074
Name	OJ990803_12.0103.C3.o7.gp	Method	AAT/GAP
Start	29933	End	29989
GI	16490_1.R1084	Score	86
Exons	29933..29989		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o8.tw	Method	TBLASTX:Wheat
Start	651	End	863
GI	none	Score	187
Exons	651..782, 655..792, 662..859, 666..863		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o3.ts	Method	TBLASTX:Soybean
Start	663	End	1529
GI	none	Score	357
Exons	663..866, 665..859, 676..867, 688..870, 1055..1150, 1056..1169, 1058..1171, 1083..1172, 1377..1529, 1381..1527		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386

Name	OJ990803_12.0103.C3.o9.tw	Method	TBLASTX:Wheat
Start	1381	End	1731
GI	none	Score	64
Exons	1381..1485, 1468..1731		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	1467	End	1763
GI	none	Score	493
Exons	1467..1763, 1468..1761		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	1467	End	3353
GI	none	Score	497
Exons	1467..1787, 1468..1785, 1982..2038, 1984..2037, 2118..2234, 2119..2235, 2398..2475, 2399..2482, 2546..2596, 2548..2595, 2671..2799, 2672..2803, 2673..2807, 2673..2843, 3113..3220, 3115..3219, 3162..3221, 3285..3353, 3285..3350		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o2.ts	Method	TBLASTX:Soybean
Start	1549	End	2235
GI	none	Score	391
Exons	1549..1782, 1549..1782, 1550..1783, 1551..1790, 1982..2035, 1987..2037, 2118..2234, 2119..2235		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o3.tc	Method	TBLASTX:Cress
Start	2118	End	2745
GI	none	Score	185
Exons	2118..2234, 2119..2235, 2392..2475, 2392..2475, 2399..2482, 2545..2595, 2546..2596, 2671..2745, 2673..2744		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o3.tw	Method	TBLASTX:Wheat
Start	2155	End	3202
GI	none	Score	120
Exons	2155..2235, 2156..2233, 2157..2240, 2396..2476, 2397..2468, 2399..2482, 2532..2594, 2546..2596, 2548..2595, 2671..2799, 2672..2803, 2673..2843, 2675..2803, 3102..3194, 3113..3202, 3115..3201		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o5.tc	Method	TBLASTX:Cress

Start	4797	End	4995
GI	none	Score	140
Exons	4797..4985, 4855..4986, 4882..4995		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o6.tm	Method	TBLASTX:Maize
Start	4827	End	5135
GI	none	Score	220
Exons	4827..5015, 4828..4986, 4847..4987, 5067..5135, 5070..5129, 5084..5131		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o5.ts	Method	TBLASTX:Soybean
Start	4833	End	8404
GI	none	Score	154
Exons	4833..5015, 4834..4983, 6889..6969, 6891..6980, 6904..6975, 8248..8403, 8249..8404		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o4.ts	Method	TBLASTX:Soybean
Start	5065	End	7977
GI	5606980	Score	64
Exons	5065..5160, 5079..5165, 5575..5658, 5576..5656, 5752..5814, 6293..6397, 6361..6450, 6363..6452, 6363..6449, 6568..6687, 6569..6688, 6571..6690, 7933..7977		
GI Descrip.	2494162/sp_Q10005_YRY1_CAEEL 1.0e-37 HYPOTHETICAL 39.9 KD PROTEIN T15H9.1 IN CHROMOSOME II PRECURSOR >gi_3879803_emb_CAA87414_ (Z47356) similar to DNAJ [Caenorhabditis elegans]		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	5764	End	7992
GI	none	Score	127
Exons	5764..5814, 6361..6450, 6363..6452, 6363..6449, 6568..6687, 6569..6691, 6570..6710, 6889..7014, 6891..6941, 6898..6990, 7864..7929, 7877..7933, 7933..7992, 7937..7990		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o4.tc	Method	TBLASTX:Cress
Start	7931	End	8418
GI	none	Score	65
Exons	7931..8023, 7933..8013, 8248..8418, 8318..8404		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386

Name	OJ990803_12.0103.C3.o2.tc	Method	TBLASTX:Cress
Start	14251	End	17049
GI	none	Score	104
Exons	14251..14325, 14252..14323, 14802..14888, 14802..14888, 14803..14892, 14803..14892, 15076..15174, 15079..15201, 15082..15195, 15093..15200, 15282..15341, 15284..15343, 15685..15804, 15686..15802, 15770..15802, 15896..15922, 15896..15922, 16018..16110, 16020..16109, 16348..16476, 16348..16506, 16351..16506, 16352..16507, 16585..16716, 16589..16717, 16794..16898, 16795..16899, 16978..17049, 16989..17045		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	14252	End	17058
GI	none	Score	109
Exons	14252..14323, 14257..14325, 14793..14888, 14794..14892, 14802..14918, 14803..14892, 14803..14892, 15076..15180, 15079..15201, 15096..15200, 15282..15362, 15284..15343, 15665..15802, 15681..15806, 15685..15822, 15722..15802, 15895..15921, 15895..15921, 15896..15922, 16014..16112, 16018..16110, 16018..16110, 16348..16476, 16348..16506, 16350..16502, 16585..16713, 16589..16717, 16795..16899, 16797..16895, 16974..17045, 16978..17058		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o4.tw	Method	TBLASTX:Wheat
Start	14802	End	16638
GI	none	Score	92
Exons	14802..14882, 14803..14892, 15076..15180, 15082..15177, 15680..15802, 15689..15802, 15690..15806, 15894..15920, 15896..15925, 16010..16111, 16015..16110, 16020..16124, 16347..16514, 16348..16518, 16349..16516, 16350..16523, 16588..16638		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o5.tm	Method	TBLASTX:Maize
Start	16622	End	17064
GI	none	Score	98
Exons	16622..16717, 16624..16713, 16795..16899, 16798..16899, 16806..16907, 16974..17057, 16977..17060, 16987..17064		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o5.np	Method	AAT/NAP
Start	34255	End	39386
GI	2583130	Score	1716
Exons	34255..34327, 35305..35829, 35890..39386		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o5.tw	Method	TBLASTX:Wheat
Start	35841	End	36248
GI	none	Score	298
Exons	35841..36248		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o6.tw	Method	TBLASTX:Wheat
Start	36639	End	36860
GI	none	Score	85
Exons	36639..36860, 36640..36786		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	36699	End	37059
GI	none	Score	93
Exons	36699..37058, 36702..37037, 36859..37059		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o6.ts	Method	TBLASTX:Soybean
Start	36705	End	37124
GI	none	Score	128
Exons	36705..36923, 36921..37124		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o2.tw	Method	TBLASTX:Wheat
Start	36861	End	37245
GI	none	Score	236
Exons	36861..37244, 36889..37245		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o4.tm	Method	TBLASTX:Maize
Start	37209	End	37841
GI	none	Score	72
Exons	37209..37349, 37371..37694, 37420..37482, 37513..37650, 37677..37841		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o7.ts	Method	TBLASTX:Soybean
Start	37365	End	37652
GI	none	Score	193
Exons	37365..37652		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	37416	End	37797
GI	none	Score	170
Exons	37416..37583, 37417..37590, 37425..37613, 37507..37593, 37578..37796, 37618..37797		

Seq. No.	6049	Seq. ID	OJ990803_12.0103.C3
Gene No.	12752	Strand	-
Start	34255	End	39386
Name	OJ990803_12.0103.C3.o7.tw	Method	TBLASTX:Wheat
Start	38895	End	39281
GI	none	Score	53
Exons	38895..39101, 38944..39087, 39090..39281, 39182..39223		

Seq. No.	6050	Seq. ID	OJ990803_12.0103.C4
Gene No.	12753	Strand	-
Start	1	End	707
Name	OJ990803_12.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	707
GI	1171577	Score	483
Exons	1..707		
GI Descrip.	(X95343) hypersensitivity-related gene [Nicotiana tabacum]		

Seq. No.	6050	Seq. ID	OJ990803_12.0103.C4
Gene No.	12753	Strand	-
Start	1	End	707
Name	OJ990803_12.0103.C4.o1.gs	Method	GENSCAN
Start	105	End	692
GI	none	Score	.72
Exons	105..692		

Seq. No.	6050	Seq. ID	OJ990803_12.0103.C4
Gene No.	12753	Strand	-
Start	1	End	707
Name	OJ990803_12.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	157	End	674
GI	none	Score	61
Exons	157..246, 159..278, 291..434, 444..674, 583..660		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12754	Strand	+
Start	10555	End	21232
Name	OJ990803_12.0103.C5.o3.gp	Method	AAT/GAP
Start	10411	End	15373
GI	1069_1.R1084	Score	5004
Exons	10411..10782, 10890..10986, 11465..11556, 11651..11782, 11887..12072, 12161..12324, 12424..12502, 13600..13728, 13806..13933, 14032..14403, 14493..15373		
GI Descrip.	'2191172 3.0e-14 (AF007270) contains similarity to GATA-type zinc fingers (PS:PS00344) [Arabidopsis thaliana]'		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12754	Strand	+

Start	10555	End	21232
Name	OJ990803_12.0103.C5.o1.np	Method	AAT/NAP
Start	10555	End	14398
GI	6682927	Score	2454
Exons	10555..10782, 10890..10986, 11465..11556, 11651..11782, 11887..12072, 12161..12324, 12424..12502, 13600..13728, 13806..13933, 14032..14398		
GI Descrip.	(AB024311) importin alpha 1b [Oryza sativa]		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12754	Strand	+
Start	10555	End	21232
Name	OJ990803_12.0103.C5.o2.gs	Method	GENSCAN
Start	10555	End	21232
GI	none	Score	.67
Exons	10555..10782, 10890..10986, 11465..11556, 11651..11782, 11887..12072, 12188..12324, 12424..12502, 13600..13728, 13806..13911, 14088..14381, 15971..16002, 18854..18953, 19047..19099, 20120..20344, 20664..20741, 20996..21232		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12754	Strand	+
Start	10555	End	21232
Name	OJ990803_12.0103.C5.o2.np	Method	AAT/NAP
Start	11881	End	20425
GI	2191172	Score	137
Exons	11881..12039, 19072..19163, 20120..20250, 20343..20425		
GI Descrip.	(AF007270) contains similarity to GATA-type zinc fingers (PS:PS00344) [Arabidopsis thaliana]		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12754	Strand	+
Start	10555	End	21232
Name	OJ990803_12.0103.C5.o4.gp	Method	AAT/GAP
Start	18756	End	20442
GI	2798782	Score	1154
Exons	18756..18953, 19047..19163, 20120..20442		
GI Descrip.	2191172 3.0e-14 (AF007270) contains similarity to GATA-type zinc fingers (PS:PS00344) [Arabidopsis thaliana]		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12755	Strand	-
Start	1355	End	8851
Name	OJ990803_12.0103.C5.o1.gs	Method	GENSCAN
Start	1355	End	8851
GI	none	Score	.63
Exons	1355..1500, 2030..2166, 3857..3945, 4146..4289, 4557..4763, 5322..5438, 6535..6673, 7105..7211, 7306..7382, 8412..8549, 8587..8851		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12755	Strand	-
Start	1355	End	8851
Name	OJ990803_12.0103.C5.o1.gp	Method	AAT/GAP
Start	3613	End	4241
GI	none	Score	782
Exons	3613..3945, 4146..4241		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12755	Strand	-
Start	1355	End	8851
Name	OJ990803_12.0103.C5.o2.gp	Method	AAT/GAP
Start	6612	End	7599
GI	568512	Score	552
Exons	6612..6673, 7105..7211, 7306..7382, 7496..7599		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12756	Strand	-
Start	21711	End	25094
Name	OJ990803_12.0103.C5.o5.gp	Method	AAT/GAP
Start	21670	End	23176
GI	37014_1.R1084	Score	992
Exons	21670..22077, 22163..22266, 23143..23176		
GI Descrip.	'4836948/gb|AAD30650.1|AC006085_23 3.0e-34 (AC006085) Similar to human CGI-33 protein [Arabidopsis thaliana]'		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12756	Strand	-
Start	21711	End	25094
Name	OJ990803_12.0103.C5.o3.gs	Method	GENSCAN
Start	21711	End	25027
GI	none	Score	.98
Exons	21711..21776, 21966..22077, 22163..22266, 23143..23318, 24302..24463, 24829..25027		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12756	Strand	-
Start	21711	End	25094
Name	OJ990803_12.0103.C5.o3.np	Method	AAT/NAP
Start	21714	End	25084
GI	4836948	Score	724
Exons	21714..21776, 21966..22077, 22163..22266, 23143..23326, 24221..24472, 24886..25084		
GI Descrip.	(AC006085) Similar to human CGI-33 protein [Arabidopsis thaliana]		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12756	Strand	-
Start	21711	End	25094
Name	OJ990803_12.0103.C5.o6.gp	Method	AAT/GAP
Start	23282	End	25094
GI	uC-osf1cyp080c04b1	Score	829
Exons	23282..23318, 24302..24463, 24829..25094		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o5.tm	Method	TBLASTX:Maize
Start	3797	End	3943
GI	none	Score	151
Exons	3797..3943, 3805..3936		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	7320	End	8707
GI	none	Score	79
Exons	7320..7385, 7320..7379, 7321..7383, 7494..7580, 7495..7593, 8412..8555, 8413..8571, 8639..8707		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	10540	End	14421
GI	none	Score	227
Exons	10540..10710, 10887..10985, 10889..10984, 11461..11556, 11463..11552, 11645..11743, 11648..11782, 11650..11781, 11883..12074, 11884..12075, 12152..12361, 12154..12360, 12176..12322, 12224..12322, 12394..12498, 12422..12502, 13585..13731, 13588..13728, 13603..13731, 13621..13710, 13649..13732, 13797..13937, 13805..13936, 14026..14142, 14026..14163, 14030..14164, 14168..14329, 14168..14356, 14235..14357, 14337..14405, 14371..14421		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	10552	End	10710
GI	none	Score	236
Exons	10552..10710		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	10555	End	10710
GI	none	Score	237
Exons	10555..10710		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	10883	End	14394
GI	none	Score	113
Exons	10883..10984, 10884..10985, 11461..11556, 11463..11546, 11647..11781, 11648..11782, 11883..12074, 11884..12075, 12152..12361, 12157..12366, 12160..12360, 12182..12322, 12406..12510, 12425..12511, 13597..13728, 13597..13731, 13605..13730, 13610..13732, 13610..13732, 13797..13937, 13805..13933, 14026..14145, 14026..14163, 14030..14164, 14152..14355, 14168..14329, 14171..14380, 14173..14355, 14365..14394		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-

Start	25894	End	29363
Name	OJ990803_12.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	10935	End	15025
GI	none	Score	66
Exons	10935..10985, 11458..11520, 11459..11554, 11461..11556, 11462..11554, 11463..11555, 11648..11782, 11648..11758, 11649..11783, 11650..11781, 11654..11773, 11710..11784, 11859..12074, 11884..12075, 11887..12048, 12152..12325, 12157..12348, 12159..12320, 12160..12360, 12182..12322, 12182..12322, 12409..12519, 12425..12502, 13597..13728, 13597..13728, 13797..13937, 13804..13935, 13805..13936, 14025..14180, 14030..14332, 14033..14362, 14301..14402, 14365..14406, 14366..14404, 14510..14557, 14511..14570, 14573..14629, 14577..14627, 14638..14664, 14667..14699, 14668..14697, 14751..14771, 14752..14772, 14775..14825, 14783..14821, 14842..14898, 14875..14904, 14891..15025, 14913..14969		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	12164	End	14336
GI	none	Score	94
Exons	12164..12322, 13627..13743, 13633..13728, 13635..13730, 13661..13732, 13666..13710, 13797..13937, 13802..13936, 13803..13937, 13833..13913, 14026..14166, 14030..14167, 14165..14317, 14168..14317, 14229..14336		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	21534	End	25040
GI	none	Score	36
Exons	21534..21560, 21675..21779, 21684..21779, 21963..22076, 21963..22076, 21964..22077, 21965..22081, 22160..22267, 22162..22266, 22165..22269, 23141..23323, 23141..23317, 23143..23319, 24283..24465, 24285..24464, 24840..24872, 24866..24919, 24870..24929, 24933..24968, 24990..25040		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o2.tc	Method	TBLASTX:Cress
Start	23125	End	24359
GI	none	Score	160
Exons	23125..23319, 23141..23323, 24285..24359		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	23125	End	24465
GI	none	Score	174
Exons	23125..23319, 23141..23323, 24285..24464, 24301..24465		

Seq. No.	6051	Seq. ID	OJ990803_12.0103.C5
Gene No.	12757	Strand	-
Start	25894	End	29363
Name	OJ990803_12.0103.C5.o4.gs	Method	GENSCAN
Start	25894	End	29363
GI	none	Score	.43
Exons	25894..25980, 29175..29363		

Seq. No.	6052	Seq. ID	OJ990803_12.0103.C6
Gene No.	12758	Strand	+
Start	131	End	278
Name	OJ990803_12.0103.C6.o1.np	Method	AAT/NAP
Start	131	End	278
GI	2792214	Score	89
Exons	131..278		
GI Descrip.	(AF032685) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	6053	Seq. ID	OJ990803_12.0103.C7
Gene No.	12759	Strand	-
Start	178	End	378
Name	OJ990803_12.0103.C7.o1.gs	Method	GENSCAN
Start	178	End	378
GI	none	Score	.97
Exons	178..378		

Seq. No.	6054	Seq. ID	OJ990713_08.0128.C1
Gene No.	12760	Strand	+
Start	95	End	471
Name	OJ990713_08.0128.C1.o1.gs	Method	GENSCAN
Start	95	End	471
GI	none	Score	.9
Exons	95..172, 360..471		

Seq. No.	6054	Seq. ID	OJ990713_08.0128.C1
Gene No.	12761	Strand	+
Start	390	End	566
Name	OJ990713_08.0128.C1.o1.np	Method	AAT/NAP
Start	390	End	566
GI	6759431	Score	96
Exons	390..566		
GI Descrip.	(AL137189) putative protein [Arabidopsis thaliana]		

Seq. No.	6055	Seq. ID	OJ990713_08.0128.C2
Gene No.	12762	Strand	+
Start	1426	End	2318
Name	OJ990713_08.0128.C2.o1.np	Method	AAT/NAP
Start	1426	End	2318
GI	6069646	Score	399
Exons	1426..2318		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	6055	Seq. ID	OJ990713_08.0128.C2
Gene No.	12763	Strand	-

Start	458	End	3254
Name	OJ990713_08.0128.C2.o1.gs	Method	GENSCAN
Start	458	End	3254
GI	none	Score	.51
Exons	458..592, 1482..1753, 1950..2014, 2019..2137, 3234..3254		

Seq. No.	6055	Seq. ID	OJ990713_08.0128.C2
Gene No.	12763	Strand	-
Start	458	End	3254
Name	OJ990713_08.0128.C2.o2.tm	Method	TBLASTX:Maize
Start	473	End	730
GI	none	Score	81
Exons	473..730, 477..695		

Seq. No.	6055	Seq. ID	OJ990713_08.0128.C2
Gene No.	12763	Strand	-
Start	458	End	3254
Name	OJ990713_08.0128.C2.o1.tw	Method	TBLASTX:Wheat
Start	695	End	2042
GI	none	Score	60
Exons	695..910, 719..907, 1848..1970, 1980..2042		

Seq. No.	6055	Seq. ID	OJ990713_08.0128.C2
Gene No.	12763	Strand	-
Start	458	End	3254
Name	OJ990713_08.0128.C2.o1.tm	Method	TBLASTX:Maize
Start	1737	End	2288
GI	none	Score	290
Exons	1737..2288, 1859..2107		

Seq. No.	6056	Seq. ID	OJ990713_08.0128.C3
Gene No.	12764	Strand	+
Start	63	End	3688
Name	OJ990713_08.0128.C3.o1.gs	Method	GENSCAN
Start	63	End	3688
GI	none	Score	.76
Exons	63..176, 284..475, 1496..1612, 3251..3382, 3515..3688		

Seq. No.	6056	Seq. ID	OJ990713_08.0128.C3
Gene No.	12765	Strand	+
Start	3838	End	6740
Name	OJ990713_08.0128.C3.o2.gs	Method	GENSCAN
Start	3838	End	6740
GI	none	Score	.55
Exons	3838..4031, 4124..4229, 5231..5249, 5593..5712, 6344..6426, 6578..6740		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12766	Strand	+
Start	121	End	254
Name	OJ990713_08.0128.C4.o1.gs	Method	GENSCAN
Start	121	End	254
GI	none	Score	.99
Exons	121..254		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12767	Strand	+

Start	9957	End	10274
Name	OJ990713_08.0128.C4.o2.gp	Method	AAT/GAP
Start	9957	End	10274
GI	none	Score	628
Exons	9957..10274		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12768	Strand	+
Start	15660	End	16043
Name	OJ990713_08.0128.C4.o2.np	Method	AAT/NAP
Start	15660	End	16043
GI	3790593	Score	154
Exons	15660..15730, 15806..16043		
GI Descrip.	(AF079185) RING-H2 finger protein RHY1a [Arabidopsis thaliana]		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12769	Strand	-
Start	2516	End	2910
Name	OJ990713_08.0128.C4.o1.gp	Method	AAT/GAP
Start	2516	End	2910
GI	5607590	Score	554
Exons	2516..2665, 2770..2910		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12770	Strand	-
Start	10157	End	14598
Name	OJ990713_08.0128.C4.o3.gs	Method	GENSCAN
Start	10157	End	14598
GI	none	Score	.76
Exons	10157..10720, 10814..11380, 11479..12105, 12682..13002, 13337..13528, 14321..14527, 14536..14598		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12770	Strand	-
Start	10157	End	14598
Name	OJ990713_08.0128.C4.o1.np	Method	AAT/NAP
Start	10160	End	12152
GI	6522918	Score	936
Exons	10160..10534, 10610..10720, 10814..10976, 11034..11380, 11447..11635, 11705..12152		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12770	Strand	-
Start	10157	End	14598
Name	OJ990713_08.0128.C4.o3.gp	Method	AAT/GAP
Start	11990	End	12699
GI	uC-osroM202039h08b1	Score	468
Exons	11990..12105, 12207..12276, 12622..12699		
GI Descrip.	'1946367 5.0e-09 (U93215) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o3.tm	Method	TBLASTX:Maize
Start	2475	End	2867

GI	none	Score	56
Exons	2475..2522, 2476..2523, 2583..2666, 2596..2691, 2768..2857, 2769..2867, 2774..2854		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o1.tw	Method	TBLASTX:Wheat
Start	2592	End	2862
GI	none	Score	132
Exons	2592..2675, 2596..2679, 2635..2676, 2759..2860, 2760..2861, 2763..2861, 2764..2862		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o4.tm	Method	TBLASTX:Maize
Start	6417	End	8796
GI	none	Score	119
Exons	6417..6557, 6419..6547, 7887..8069, 7935..8054, 7936..8097, 8602..8793, 8603..8794, 8604..8789, 8604..8795, 8605..8796		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o4.tc	Method	TBLASTX:Cress
Start	6422	End	8813
GI	none	Score	94
Exons	6422..6559, 6423..6557, 7819..7881, 7825..8073, 7938..8075, 7939..8082, 7941..8075, 8604..8813, 8606..8788		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o5.ts	Method	TBLASTX:Soybean
Start	8627	End	8842
GI	none	Score	122
Exons	8627..8719, 8628..8720, 8702..8842, 8703..8804		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o2.tm	Method	TBLASTX:Maize
Start	10158	End	11089
GI	none	Score	39
Exons	10158..10184, 10163..10186, 10165..10194, 10175..10276, 10182..10277, 10182..10277, 10368..10487, 10373..10450, 10560..10727, 10562..10720, 10793..10972, 10802..11011, 10815..10985, 10979..11032, 10998..11045, 11042..11089		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o1.ts	Method	TBLASTX:Soybean
Start	10562	End	11011
GI	none	Score	117
Exons	10562..10720, 10575..10715, 10814..11011, 10815..10991		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o3.tc	Method	TBLASTX:Cress
Start	10562	End	10964
GI	none	Score	93
Exons	10562..10717, 10575..10727, 10814..10963, 10815..10964		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o2.tw	Method	TBLASTX:Wheat
Start	10634	End	10984
GI	none	Score	87
Exons	10634..10717, 10638..10724, 10814..10954, 10814..10984, 10824..10964		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o5.tc	Method	TBLASTX:Cress
Start	11133	End	11326
GI	none	Score	55
Exons	11133..11189, 11147..11236, 11240..11326, 11241..11324		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o2.ts	Method	TBLASTX:Soybean
Start	11243	End	11631
GI	none	Score	144
Exons	11243..11380, 11244..11372, 11470..11631		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o3.ts	Method	TBLASTX:Soybean
Start	11770	End	12275
GI	none	Score	117
Exons	11770..12096, 11815..12030, 11864..12082, 12201..12275		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o5.tm	Method	TBLASTX:Maize
Start	11773	End	12033
GI	none	Score	113
Exons	11773..12033, 11876..12019		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o2.tc	Method	TBLASTX:Cress
Start	11794	End	12281
GI	none	Score	81
Exons	11794..12042, 11815..11982, 11867..12028, 12061..12093,		

12207..12281

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o1.tm	Method	TBLASTX:Maize
Start	14339	End	16049
GI	none	Score	38
Exons	14339..14365, 14495..14572, 14495..14572, 14503..14586, 14691..14726, 15465..15503, 15472..15783, 15480..16049, 15486..16049		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o4.ts	Method	TBLASTX:Soybean
Start	15897	End	16034
GI	none	Score	203
Exons	15897..16025, 15900..16034		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o3.np	Method	AAT/NAP
Start	17037	End	19495
GI	3309620	Score	699
Exons	17037..17618, 17758..19495		
GI Descrip.	(AF074916) resistance to Pseudomonas syringae protein 5 [Arabidopsis thaliana]		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o4.gs	Method	GENSCAN
Start	17043	End	20086
GI	none	Score	.96
Exons	17043..19253, 19264..20086		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o1.tc	Method	TBLASTX:Cress
Start	18072	End	19199
GI	none	Score	34
Exons	18072..18239, 18363..18470, 18570..18725, 18583..18714, 18786..19058, 18793..18879, 18954..19058, 19086..19199		

Seq. No.	6057	Seq. ID	OJ990713_08.0128.C4
Gene No.	12771	Strand	-
Start	17043	End	20086
Name	OJ990713_08.0128.C4.o6.tm	Method	TBLASTX:Maize
Start	18873	End	19326
GI	none	Score	71
Exons	18873..19061, 18877..18996, 18951..19082, 19044..19163, 19050..19199, 19244..19324, 19261..19326		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5

Gene No.	12772	Strand	+
Start	6813	End	9539
Name	OJ990713_08.0128.C5.o2.gs	Method	GENSCAN
Start	6813	End	9539
GI	none	Score	1
Exons	6813..9539		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12773	Strand	-
Start	3070	End	5931
Name	OJ990713_08.0128.C5.o1.gs	Method	GENSCAN
Start	3070	End	5931
GI	none	Score	.73
Exons	3070..3372, 4607..4848, 5181..5226, 5896..5931		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12774	Strand	-
Start	10643	End	12466
Name	OJ990713_08.0128.C5.o3.gs	Method	GENSCAN
Start	10643	End	12466
GI	none	Score	.79
Exons	10643..10897, 11001..11648, 12135..12291, 12390..12466		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o2.tc	Method	TBLASTX:Cress
Start	7314	End	9320
GI	none	Score	72
Exons	7314..7403, 7414..7449, 7542..7646, 7659..7931, 7853..7927, 8019..8159, 8024..8146, 8235..8309, 8252..8311, 8454..8672, 8487..8606, 9204..9320, 9206..9298		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	10716	End	11610
GI	none	Score	89
Exons	10716..10829, 10716..10898, 10717..10887, 10721..10912, 10962..11363, 11019..11306, 11020..11310, 11301..11609, 11311..11610, 11311..11610		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	11070	End	11459
GI	none	Score	212
Exons	11070..11363, 11074..11310, 11301..11459, 11311..11445, 11313..11459		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o1.gp	Method	AAT/GAP
Start	13153	End	15213

GI	22567_1.R1084	Score	1283
Exons	13153..13544, 14241..14347, 14929..15066, 15144..15213		
GI Descrip.	'5689994/emb|CAB52039.1| 6.0e-11 (AL109731) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o3.tc	Method	TBLASTX:Cress
Start	13219	End	15009
GI	none	Score	156
Exons	13219..13281, 13372..13542, 13382..13543, 14234..14350, 14242..14349, 14928..15008, 14953..15009		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o3.tm	Method	TBLASTX:Maize
Start	13369	End	15009
GI	none	Score	181
Exons	13369..13545, 13372..13542, 13373..13543, 14222..14350, 14240..14311, 14242..14358, 14242..14349, 14928..15008, 14953..15009		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o4.gs	Method	GENSCAN
Start	13372	End	21827
GI	none	Score	.74
Exons	13372..13544, 14241..14347, 14929..15143, 16099..16119, 16253..16321, 16808..16873, 16996..17086, 17544..17677, 18504..18698, 19171..19300, 20158..20332, 20944..21025, 21678..21827		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o4.ts	Method	TBLASTX:Soybean
Start	13378	End	15008
GI	none	Score	172
Exons	13378..13545, 13382..13531, 13393..13542, 14222..14350, 14242..14349, 14928..15008		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o2.gp	Method	AAT/GAP
Start	15834	End	16869
GI	4392_1.R1084	Score	1033
Exons	15834..16119, 16253..16321, 16422..16485, 16590..16672, 16808..16869		
GI Descrip.	'585350/sp|Q08466|KC22_ARATH 5.0e-50 CASEIN KINASE II, ALPHA CHAIN 2 (CK II) >gi_419753_pir__S31099 casein kinase II (EC 2.7.1.-) alpha-type chain (clone ATCKA2) - Arabidopsis thaliana >gi_391605_dbj_BAA01091_ (D10247) casein kinase II catalytic subunit [Arabidopsis thaliana]'		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o2.tm	Method	TBLASTX:Maize
Start	16051	End	20226
GI	none	Score	56
Exons	16051..16116, 16253..16324, 16254..16322, 16416..16487, 16417..16488, 16586..16675, 16590..16673, 16805..16888, 16806..16886, 16993..17106, 16997..17092, 17519..17680, 17520..17678, 17524..17679, 18496..18699, 18502..18699, 18504..18701, 19172..19300, 19207..19305, 20146..20220, 20157..20219, 20158..20226		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o1.np	Method	AAT/NAP
Start	16063	End	20243
GI	3821793	Score	1304
Exons	16063..16119, 16253..16321, 16422..16485, 16590..16672, 16808..16873, 16996..17086, 17520..17677, 18504..18698, 19171..19300, 20158..20243		
GI Descrip.	(Y11526) casein kinase II alpha subunit [Zea mays]		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o3.ts	Method	TBLASTX:Soybean
Start	16066	End	17690
GI	none	Score	75
Exons	16066..16119, 16253..16324, 16254..16322, 16416..16487, 16417..16488, 16586..16675, 16590..16673, 16767..16799, 16805..16888, 16806..16886, 16807..16896, 16988..17092, 16991..17089, 16993..17106, 17510..17671, 17519..17680, 17520..17690		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	16253	End	18687
GI	none	Score	49
Exons	16253..16324, 16253..16324, 16416..16487, 16423..16488, 16586..16675, 16590..16673, 16805..16831, 16836..16871, 16838..16888, 16988..17092, 16991..17065, 16993..17106, 17510..17680, 17519..17680, 17520..17705, 18493..18687, 18504..18686		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	17023	End	18701
GI	none	Score	84
Exons	17023..17106, 17024..17092, 17510..17683, 17519..17680, 17520..17690, 18496..18699, 18502..18699, 18504..18701		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o2.ts	Method	TBLASTX:Soybean
Start	18497	End	20220
GI	none	Score	153
Exons	18497..18670, 18498..18701, 18503..18685, 18505..18699, 19172..19294, 19207..19305, 19275..19313, 20157..20219, 20158..20220		

Seq. No.	6058	Seq. ID	OJ990713_08.0128.C5
Gene No.	12775	Strand	-
Start	13372	End	21827
Name	OJ990713_08.0128.C5.o2.np	Method	AAT/NAP
Start	20384	End	21755
GI	6498436	Score	81
Exons	20384..20469, 21609..21755		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12776	Strand	+
Start	355	End	1221
Name	OJ990713_08.0128.C6.o1.gs	Method	GENSCAN
Start	355	End	1221
GI	none	Score	.83
Exons	355..421, 1034..1221		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o1.gp	Method	AAT/GAP
Start	2502	End	2789
GI	2310208	Score	487
Exons	2502..2789		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o2.gs	Method	GENSCAN
Start	2604	End	4067
GI	none	Score	.99
Exons	2604..2889, 2990..3381, 3567..4067		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o1.np	Method	AAT/NAP
Start	2633	End	4067
GI	3297816	Score	945
Exons	2633..2889, 2990..3381, 3567..4067		
GI Descrip.	(AL031032) putative protein [Arabidopsis thaliana]		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o1.tm	Method	TBLASTX:Maize

Start	2688	End	3950
GI	none	Score	85
Exons	2688..2789, 2798..2875, 2799..2879, 2992..3192, 3072..3188, 3244..3384, 3561..3608, 3569..3607, 3660..3950, 3665..3949		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o2.tc	Method	TBLASTX:Cress
Start	2688	End	3192
GI	none	Score	185
Exons	2688..2879, 2807..2875, 2995..3192, 3060..3188		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	2688	End	4031
GI	none	Score	264
Exons	2688..2876, 2795..2875, 2989..3192, 2991..3188, 3244..3384, 3560..3607, 3561..3608, 3633..3968, 3647..3949, 3993..4031		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	2995	End	3273
GI	none	Score	258
Exons	2995..3192, 3003..3191, 3247..3273		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	3256	End	3950
GI	none	Score	103
Exons	3256..3372, 3561..3617, 3624..3950		

Seq. No.	6059	Seq. ID	OJ990713_08.0128.C6
Gene No.	12777	Strand	+
Start	2604	End	4458
Name	OJ990713_08.0128.C6.o3.gp	Method	AAT/GAP
Start	3801	End	4458
GI	13689_1.R1084	Score	1266
Exons	3801..4458		
GI Descrip.	'3297816/emb|CAA19874.1| 3.0e-11 (AL031032) putative protein [Arabidopsis thaliana]'		

Seq. No.	6060	Seq. ID	OJ990713_08.0128.C7
Gene No.	12778	Strand	+
Start	1	End	1618
Name	OJ990713_08.0128.C7.o1.np	Method	AAT/NAP
Start	1	End	300
GI	5734621	Score	213
Exons	1..40, 90..300		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7		

(U43892) [Oryza sativa]

Seq. No.	6060	Seq. ID	OJ990713_08.0128.C7
Gene No.	12778	Strand	+
Start	1	End	1618
Name	OJ990713_08.0128.C7.o2.np	Method	AAT/NAP
Start	1	End	1618
GI	3153821	Score	119
Exons	1..137, 1251..1618		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	6061	Seq. ID	OJ990713_08.0128.C8
Gene No.	12779	Strand	+
Start	1561	End	3327
Name	OJ990713_08.0128.C8.o1.np	Method	AAT/NAP
Start	1561	End	3327
GI	6522924	Score	930
Exons	1561..1704, 1747..2337, 2413..2655, 2749..3179, 3219..3327		
GI Descrip.	(AL132978) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6061	Seq. ID	OJ990713_08.0128.C8
Gene No.	12780	Strand	+
Start	6309	End	6951
Name	OJ990713_08.0128.C8.o1.gp	Method	AAT/GAP
Start	6309	End	6951
GI	none	Score	1139
Exons	6309..6951		

Seq. No.	6061	Seq. ID	OJ990713_08.0128.C8
Gene No.	12781	Strand	-
Start	6679	End	6939
Name	OJ990713_08.0128.C8.o1.ts	Method	TBLASTX:Soybean
Start	1750	End	1941
GI	none	Score	190
Exons	1750..1941, 1762..1941		

Seq. No.	6061	Seq. ID	OJ990713_08.0128.C8
Gene No.	12781	Strand	-
Start	6679	End	6939
Name	OJ990713_08.0128.C8.o2.gs	Method	GENSCAN
Start	6679	End	6939
GI	none	Score	.64
Exons	6679..6939		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12782	Strand	+
Start	1	End	86
Name	OJ990713_08.0128.C9.o1.gp	Method	AAT/GAP
Start	1	End	86
GI	none	Score	92
Exons	1..86		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12783	Strand	+
Start	7671	End	8156
Name	OJ990713_08.0128.C9.o3.gs	Method	GENSCAN

Start	7671	End	8156
GI	none	Score	.83
Exons	7671..7835, 7914..8156		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12784	Strand	-
Start	36	End	2922
Name	OJ990713_08.0128.C9.o1.gs	Method	GENSCAN
Start	36	End	2700
GI	none	Score	.99
Exons	36..309, 397..1490, 1985..2083, 2682..2700		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12784	Strand	-
Start	36	End	2922
Name	OJ990713_08.0128.C9.o1.np	Method	AAT/NAP
Start	91	End	981
GI	2317717	Score	336
Exons	91..309, 397..792, 883..981		
GI Descrip.	(AF012943) RblA [Dictyostelium discoideum]		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12784	Strand	-
Start	36	End	2922
Name	OJ990713_08.0128.C9.o2.gp	Method	AAT/GAP
Start	631	End	1035
GI	none	Score	763
Exons	631..1035		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12784	Strand	-
Start	36	End	2922
Name	OJ990713_08.0128.C9.o3.gp	Method	AAT/GAP
Start	1435	End	2922
GI	none	Score	739
Exons	1435..1490, 1985..2083, 2682..2922		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o2.tw	Method	TBLASTX:Wheat
Start	33	End	443
GI	none	Score	90
Exons	33..113, 36..125, 37..144, 80..202, 91..207, 92..202, 102..206, 102..230, 106..207, 226..309, 234..311, 250..306, 301..423, 396..440, 399..443, 400..441		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o4.ts	Method	TBLASTX:Soybean
Start	527	End	778
GI	none	Score	224
Exons	527..754, 529..777, 548..778		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-

Start	8362	End	11920
Name	OJ990713_08.0128.C9.o2.tm	Method	TBLASTX:Maize
Start	628	End	997
GI	none	Score	161
Exons	628..996, 630..758, 632..997, 634..996		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o3.ts	Method	TBLASTX:Soybean
Start	1096	End	2087
GI	none	Score	100
Exons	1096..1176, 1135..1251, 1154..1264, 1169..1252, 1252..1494, 1253..1498, 1323..1499, 1986..2087, 1987..2085		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o4.tm	Method	TBLASTX:Maize
Start	1138	End	1426
GI	none	Score	149
Exons	1138..1251, 1139..1252, 1139..1258, 1243..1311, 1247..1312, 1291..1422, 1291..1422, 1292..1426, 1302..1424		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o3.tc	Method	TBLASTX:Cress
Start	8339	End	8478
GI	none	Score	210
Exons	8339..8476, 8340..8477, 8341..8478		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	8359	End	9666
GI	none	Score	228
Exons	8359..8574, 8383..8568, 9091..9153, 9092..9151, 9151..9666, 9152..9664		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o4.gs	Method	GENSCAN
Start	8362	End	11920
GI	none	Score	.64
Exons	8362..8568, 9067..9719, 9815..9929, 10377..10506, 10760..10909, 11343..11920		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o2.np	Method	AAT/NAP
Start	8365	End	11740
GI	2231149	Score	2239
Exons	8365..8568, 9067..9719, 9815..9951, 11343..11740		

GI Descrip. (L81152) integral membrane protein [Oryza sativa]

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o1.tc	Method	TBLASTX:Cress
Start	8479	End	9600
GI	none	Score	251
Exons	8479..8565, 9073..9588, 9073..9600, 9074..9595		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	9202	End	9621
GI	none	Score	365
Exons	9202..9621, 9203..9619		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o1.tw	Method	TBLASTX:Wheat
Start	9581	End	11387
GI	none	Score	233
Exons	9581..9721, 9583..9726, 9583..9720, 9747..9803, 9811..9951, 9813..9953, 9813..9950, 11336..11380, 11343..11387		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o2.ts	Method	TBLASTX:Soybean
Start	9622	End	11735
GI	none	Score	118
Exons	9622..9720, 9623..9721, 9750..9950, 9809..9946, 9810..9947, 9811..9951, 11321..11581, 11343..11618, 11345..11734, 11633..11722, 11661..11735		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o3.tm	Method	TBLASTX:Maize
Start	9667	End	11572
GI	none	Score	90
Exons	9667..9720, 9668..9721, 9668..9721, 9810..9950, 9813..9953, 9814..9960, 11336..11572, 11343..11567, 11345..11572		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920
Name	OJ990713_08.0128.C9.o2.tc	Method	TBLASTX:Cress
Start	11313	End	11542
GI	none	Score	183
Exons	11313..11540, 11333..11542		

Seq. No.	6062	Seq. ID	OJ990713_08.0128.C9
Gene No.	12785	Strand	-
Start	8362	End	11920

Name	OJ990713_08.0128.C9.o5.tm	Method	TBLASTX:Maize
Start	11630	End	11920
GI	none	Score	85
Exons	11630..11722, 11642..11743, 11661..11735, 11786..11842, 11885..11920		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12786	Strand	+
Start	7961	End	10612
Name	OJ990713_08.0128.C10.o2.gs	Method	GENSCAN
Start	7961	End	10612
GI	none	Score	.46
Exons	7961..8300, 8408..8470, 8820..10612		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12787	Strand	+
Start	12167	End	12323
Name	OJ990713_08.0128.C10.o2.gp	Method	AAT/GAP
Start	11730	End	11817
GI	5004566	Score	130
Exons	11730..11817		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12787	Strand	+
Start	12167	End	12323
Name	OJ990713_08.0128.C10.o3.gs	Method	GENSCAN
Start	12167	End	12323
GI	none	Score	.68
Exons	12167..12323		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12788	Strand	-
Start	2206	End	6548
Name	OJ990713_08.0128.C10.o1.gs	Method	GENSCAN
Start	2206	End	6548
GI	none	Score	.65
Exons	2206..2253, 2574..2677, 3959..4244, 4674..4942, 6344..6548		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12788	Strand	-
Start	2206	End	6548
Name	OJ990713_08.0128.C10.o1.gp	Method	AAT/GAP
Start	4515	End	4970
GI	uC-osflcyp158a10b1	Score	845
Exons	4515..4970		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12789	Strand	
Start	9704	End	10408
Name	OJ990713_08.0128.C10.o1.tc	Method	TBLASTX:Cress
Start	9704	End	10408
GI	none	Score	113

Exons	9704..9904, 9716..10009, 9746..10117, 9755..9835, 9758..10075, 9761..9895, 9809..10045, 9851..10189, 9923..10150, 9971..10312, 9998..10408		
Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12789	Strand	
Start	9704	End	10408
Name	OJ990713_08.0128.C10.o1.tm	Method	TBLASTX:Maize
Start	9713	End	10378
GI	none	Score	227
Exons	9713..10378, 9713..10171, 9737..9856, 9827..10165		
Seq. No.	6063	Seq. ID	OJ990713_08.0128.C10
Gene No.	12789	Strand	
Start	9704	End	10408
Name	OJ990713_08.0128.C10.o1.ts	Method	TBLASTX:Soybean
Start	9713	End	10186
GI	none	Score	83
Exons	9713..9871, 9715..9804, 9716..10087, 9725..10072, 9871..10086, 9923..10186, 9944..10093		
Seq. No.	6064	Seq. ID	OJ991013_13.0222.C1
Gene No.	12790	Strand	-
Start	1	End	822
Name	OJ991013_13.0222.C1.o1.np	Method	AAT/NAP
Start	1	End	822
GI	5091513	Score	714
Exons	1..594, 799..822		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	6064	Seq. ID	OJ991013_13.0222.C1
Gene No.	12790	Strand	-
Start	1	End	822
Name	OJ991013_13.0222.C1.o1.gs	Method	GENSCAN
Start	62	End	558
GI	none	Score	.57
Exons	62..558		
Seq. No.	6065	Seq. ID	OJ991013_13.0222.C2
Gene No.	12791	Strand	-
Start	1	End	1481
Name	OJ991013_13.0222.C2.o1.np	Method	AAT/NAP
Start	1	End	1481
GI	4680179	Score	1968
Exons	1..33, 280..1481		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	6065	Seq. ID	OJ991013_13.0222.C2
Gene No.	12791	Strand	-
Start	1	End	1481
Name	OJ991013_13.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	290	End	858
GI	none	Score	248
Exons	290..697, 295..699, 697..858, 704..850		
Seq. No.	6065	Seq. ID	OJ991013_13.0222.C2
Gene No.	12791	Strand	-

Start	1	End	1481
Name	OJ991013_13.0222.C2.o3.tw	Method	TBLASTX:Wheat
Start	295	End	412
GI	none	Score	130
Exons	295..411, 296..412		

Seq. No.	6065	Seq. ID	OJ991013_13.0222.C2
Gene No.	12791	Strand	-
Start	1	End	1481
Name	OJ991013_13.0222.C2.o1.tw	Method	TBLASTX:Wheat
Start	412	End	1038
GI	none	Score	394
Exons	412..1038, 413..1036		

Seq. No.	6065	Seq. ID	OJ991013_13.0222.C2
Gene No.	12791	Strand	-
Start	1	End	1481
Name	OJ991013_13.0222.C2.o2.tm	Method	TBLASTX:Maize
Start	907	End	1198
GI	none	Score	225
Exons	907..1197, 911..1198		

Seq. No.	6065	Seq. ID	OJ991013_13.0222.C2
Gene No.	12791	Strand	-
Start	1	End	1481
Name	OJ991013_13.0222.C2.o1.ts	Method	TBLASTX:Soybean
Start	997	End	1230
GI	none	Score	154
Exons	997..1230, 998..1219		

Seq. No.	6065	Seq. ID	OJ991013_13.0222.C2
Gene No.	12791	Strand	-
Start	1	End	1481
Name	OJ991013_13.0222.C2.o2.tw	Method	TBLASTX:Wheat
Start	1045	End	1481
GI	none	Score	176
Exons	1045..1218, 1046..1219, 1216..1299, 1221..1481, 1230..1478		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12792	Strand	+
Start	1	End	4789
Name	OJ991013_13.0222.C3.o3.np	Method	AAT/NAP
Start	1	End	4789
GI	4680183	Score	184
Exons	1..42, 4003..4092, 4700..4789		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12793	Strand	-
Start	1	End	2096
Name	OJ991013_13.0222.C3.o1.np	Method	AAT/NAP
Start	1	End	2096
GI	4680179	Score	3473
Exons	1..2096		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3

Gene No.	12794	Strand	-
Start	2347	End	4799
Name	OJ991013_13.0222.C3.o2.gs	Method	GENSCAN
Start	2347	End	4799
GI	none	Score	.86
Exons	2347..3312, 4563..4695, 4735..4799		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12794	Strand	-
Start	2347	End	4799
Name	OJ991013_13.0222.C3.o2.np	Method	AAT/NAP
Start	2350	End	3246
GI	5042448	Score	1320
Exons	2350..2645, 2685..3246		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o1.tw	Method	TBLASTX:Wheat
Start	1	End	372
GI	none	Score	203
Exons	1..372, 2..268		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o1.ts	Method	TBLASTX:Soybean
Start	22	End	336
GI	none	Score	183
Exons	22..336		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	71	End	360
GI	none	Score	165
Exons	71..262, 73..360		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o3.tw	Method	TBLASTX:Wheat
Start	534	End	951
GI	none	Score	103
Exons	534..695, 535..717, 536..691, 781..951, 803..901		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o2.tm	Method	TBLASTX:Maize
Start	1258	End	1590
GI	none	Score	114
Exons	1258..1590, 1306..1590		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o2.tw	Method	TBLASTX:Wheat
Start	1471	End	1791
GI	none	Score	89
Exons	1471..1791, 1481..1705		

Seq. No.	6066	Seq. ID	OJ991013_13.0222.C3
Gene No.	12795	Strand	-
Start	5420	End	6110
Name	OJ991013_13.0222.C3.o3.gs	Method	GENSCAN
Start	5420	End	6110
GI	none	Score	.79
Exons	5420..5765, 5830..5895, 5987..6110		

Seq. No.	6067	Seq. ID	OJ991013_13.0222.C4
Gene No.	12796	Strand	+
Start	2160	End	2734
Name	OJ991013_13.0222.C4.o1.gp	Method	AAT/GAP
Start	2160	End	2579
GI	52923_1.R1084	Score	789
Exons	2160..2579		
GI Descrip.	'5823554/gb|AAD53184.1|AF180920_1 4.0e-10 (AF180920) cyclin ania-6a [Homo sapiens]'		

Seq. No.	6067	Seq. ID	OJ991013_13.0222.C4
Gene No.	12796	Strand	+
Start	2160	End	2734
Name	OJ991013_13.0222.C4.o1.np	Method	AAT/NAP
Start	2250	End	2579
GI	5453421	Score	92
Exons	2250..2579		
GI Descrip.	(AF159159) cyclin ania-6a [Mus musculus]		

Seq. No.	6067	Seq. ID	OJ991013_13.0222.C4
Gene No.	12796	Strand	+
Start	2160	End	2734
Name	OJ991013_13.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	2413	End	2580
GI	none	Score	244
Exons	2413..2580, 2418..2579		

Seq. No.	6067	Seq. ID	OJ991013_13.0222.C4
Gene No.	12796	Strand	+
Start	2160	End	2734
Name	OJ991013_13.0222.C4.o1.tc	Method	TBLASTX:Cress
Start	2427	End	2580
GI	none	Score	64
Exons	2427..2501, 2427..2579, 2428..2580		

Seq. No.	6067	Seq. ID	OJ991013_13.0222.C4
Gene No.	12796	Strand	+
Start	2160	End	2734
Name	OJ991013_13.0222.C4.o1.ts	Method	TBLASTX:Soybean
Start	2427	End	2591
GI	none	Score	244

Exons	2427..2591, 2428..2589		
Seq. No.	6067	Seq. ID	OJ991013_13.0222.C4
Gene No.	12796	Strand	+
Start	2160	End	2734
Name	OJ991013_13.0222.C4.o1.gs	Method	GENSCAN
Start	2428	End	2734
GI	none	Score	.45
Exons	2428..2640, 2714..2734		
Seq. No.	6068	Seq. ID	OJ991013_13.0222.C5
Gene No.	12797	Strand	+
Start	1656	End	3406
Name	OJ991013_13.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	1618	End	2305
GI	none	Score	92
Exons	1618..1710, 1644..1694, 1644..1724, 1645..1710, 1812..1961, 1814..1942, 2114..2269, 2114..2266, 2267..2305, 2267..2305		
Seq. No.	6068	Seq. ID	OJ991013_13.0222.C5
Gene No.	12797	Strand	+
Start	1656	End	3406
Name	OJ991013_13.0222.C5.o1.tc	Method	TBLASTX:Cress
Start	1649	End	1961
GI	none	Score	68
Exons	1649..1699, 1650..1694, 1813..1956, 1814..1942, 1818..1961		
Seq. No.	6068	Seq. ID	OJ991013_13.0222.C5
Gene No.	12797	Strand	+
Start	1656	End	3406
Name	OJ991013_13.0222.C5.o1.gs	Method	GENSCAN
Start	1656	End	2865
GI	none	Score	.55
Exons	1656..1724, 1815..1955, 2141..2167, 2845..2865		
Seq. No.	6068	Seq. ID	OJ991013_13.0222.C5
Gene No.	12797	Strand	+
Start	1656	End	3406
Name	OJ991013_13.0222.C5.o1.np	Method	AAT/NAP
Start	1656	End	3406
GI	2739368	Score	440
Exons	1656..1726, 1817..1955, 2141..2307, 3361..3406		
GI Descrip.	(AC002505) putative cyclin [Arabidopsis thaliana]		
Seq. No.	6068	Seq. ID	OJ991013_13.0222.C5
Gene No.	12797	Strand	+
Start	1656	End	3406
Name	OJ991013_13.0222.C5.o1.gp	Method	AAT/GAP
Start	1813	End	2307
GI	2799557	Score	533
Exons	1813..1955, 2141..2307		
GI Descrip.	2739368 2.0e-54 (AC002505) cyclin-like protein [Arabidopsis thaliana]		
Seq. No.	6068	Seq. ID	OJ991013_13.0222.C5
Gene No.	12797	Strand	+
Start	1656	End	3406

Name	OJ991013_13.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	2162	End	2299
GI	none	Score	176
Exons	2162..2269, 2162..2263, 2267..2299		

Seq. No.	6069	Seq. ID	OJ991013_13.0222.C6
Gene No.	12798	Strand	+
Start	53	End	907
Name	OJ991013_13.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	653
GI	none	Score	117
Exons	1..90, 2..91, 2..91, 3..95, 166..372, 166..333, 168..353, 368..484, 389..481, 418..483, 499..546, 621..653		

Seq. No.	6069	Seq. ID	OJ991013_13.0222.C6
Gene No.	12798	Strand	+
Start	53	End	907
Name	OJ991013_13.0222.C6.o1.gp	Method	AAT/GAP
Start	53	End	466
GI	286346	Score	595
Exons	53..90, 169..466		

Seq. No.	6069	Seq. ID	OJ991013_13.0222.C6
Gene No.	12798	Strand	+
Start	53	End	907
Name	OJ991013_13.0222.C6.o1.gs	Method	GENSCAN
Start	169	End	670
GI	none	Score	.87
Exons	169..544, 629..670		

Seq. No.	6069	Seq. ID	OJ991013_13.0222.C6
Gene No.	12798	Strand	+
Start	53	End	907
Name	OJ991013_13.0222.C6.o2.gp	Method	AAT/GAP
Start	406	End	907
GI	55290_1.R1084	Score	430
Exons	406..544, 629..670, 748..907		
GI Descrip.	'2739368 2.0e-54 (AC002505) cyclin-like protein [Arabidopsis thaliana]'		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12799	Strand	+
Start	3843	End	4224
Name	OJ991013_13.0222.C8.o1.gp	Method	AAT/GAP
Start	3843	End	4224
GI	uC-osflcyp033a04b1	Score	659
Exons	3843..4224		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12800	Strand	+
Start	17293	End	18111
Name	OJ991013_13.0222.C8.o2.gs	Method	GENSCAN
Start	17293	End	18111
GI	none	Score	.56
Exons	17293..17435, 18063..18111		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12801	Strand	-
Start	11	End	12921
Name	OJ991013_13.0222.C8.o1.gs	Method	GENSCAN
Start	11	End	12918
GI	none	Score	.45
Exons	11..211, 593..775, 901..1218, 1327..1770, 2503..2758, 4073..4126, 4858..5331, 6789..6964, 7258..7712, 8734..8977, 11923..12918		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12801	Strand	-
Start	11	End	12921
Name	OJ991013_13.0222.C8.o1.np	Method	AAT/NAP
Start	2514	End	4128
GI	5852180	Score	465
Exons	2514..2919, 2971..3089, 4073..4128		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12801	Strand	-
Start	11	End	12921
Name	OJ991013_13.0222.C8.o2.np	Method	AAT/NAP
Start	5537	End	8929
GI	6093743	Score	136
Exons	5537..5553, 6788..7036, 7152..7269, 8903..8929		
GI Descrip.	PECTINESTERASE PRECURSOR (PECTIN METHYLESTERASE) (PE) gi|533256 (L27101) pectinesterase [Petunia inflata]		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12801	Strand	-
Start	11	End	12921
Name	OJ991013_13.0222.C8.o3.np	Method	AAT/NAP
Start	7351	End	9073
GI	6714449	Score	148
Exons	7351..7706, 9043..9073		
GI Descrip.	(AC011620) putative pectinesterase [Arabidopsis thaliana]		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12801	Strand	-
Start	11	End	12921
Name	OJ991013_13.0222.C8.o4.gp	Method	AAT/GAP
Start	8532	End	12330
GI	15861_1.R1084	Score	1557
Exons	8532..8977, 11923..12330		
GI Descrip.	'3738309 2.0e-72 (AC005309) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12801	Strand	-
Start	11	End	12921
Name	OJ991013_13.0222.C8.o4.np	Method	AAT/NAP
Start	8726	End	12921
GI	3738309	Score	1120
Exons	8726..8977, 11923..12921		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12802	Strand	-
Start	12861	End	13240
Name	OJ991013_13.0222.C8.o5.gp	Method	AAT/GAP
Start	12861	End	13240
GI	LIB3477-002-P1-K1-F10	Score	740
Exons	12861..13240		
GI Descrip.	'2739368 2.0e-54 (AC002505) cyclin-like protein [Arabidopsis thaliana]'		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o3.ts	Method	TBLASTX:Soybean
Start	7411	End	7707
GI	none	Score	209
Exons	7411..7707		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o2.tm	Method	TBLASTX:Maize
Start	7414	End	7720
GI	none	Score	63
Exons	7414..7500, 7417..7533, 7513..7710, 7541..7720		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o2.tw	Method	TBLASTX:Wheat
Start	8732	End	8979
GI	none	Score	275
Exons	8732..8977, 8733..8978, 8736..8978, 8830..8979		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o1.tc	Method	TBLASTX:Cress
Start	8735	End	12495
GI	none	Score	102
Exons	8735..8914, 8790..8909, 8882..9001, 8946..9002, 11926..11952, 11944..12147, 11945..12112, 12016..12135, 12148..12177, 12179..12412, 12184..12252, 12262..12414, 12421..12495, 12422..12487		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o2.ts	Method	TBLASTX:Soybean
Start	8735	End	12006
GI	none	Score	172
Exons	8735..8977, 8736..8978, 8744..8980, 11915..12004, 11922..12005, 11923..12006		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-

Start	19039	End	19911
Name	OJ991013_13.0222.C8.o3.tm	Method	TBLASTX:Maize
Start	8735	End	8976
GI	none	Score	239
Exons	8735..8974, 8736..8975, 8815..8976		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	11922	End	12600
GI	none	Score	754
Exons	11922..12140, 11923..12600, 11930..12589		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o1.tw	Method	TBLASTX:Wheat
Start	11926	End	12309
GI	none	Score	366
Exons	11926..12306, 11927..12307, 12016..12309		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o1.ts	Method	TBLASTX:Soybean
Start	12007	End	12930
GI	none	Score	61
Exons	12007..12069, 12055..12129, 12058..12120, 12121..12252, 12158..12259, 12244..12426, 12269..12412, 12359..12631, 12430..12630, 12802..12930		

Seq. No.	6070	Seq. ID	OJ991013_13.0222.C8
Gene No.	12803	Strand	-
Start	19039	End	19911
Name	OJ991013_13.0222.C8.o3.gs	Method	GENSCAN
Start	19039	End	19911
GI	none	Score	.58
Exons	19039..19055, 19648..19728, 19767..19911		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12804	Strand	-
Start	3220	End	4480
Name	OJ991013_13.0222.C10.o2.gs	Method	GENSCAN
Start	3220	End	4480
GI	none	Score	.73
Exons	3220..3272, 3367..3460, 4170..4289, 4370..4480		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12805	Strand	-
Start	7595	End	9220
Name	OJ991013_13.0222.C10.o3.tm	Method	TBLASTX:Maize
Start	4821	End	5814
GI	none	Score	84
Exons	4821..4982, 4826..4945, 4827..4955, 4844..4957, 4845..4979, 4850..4957, 4877..4978, 4891..4971, 4918..4980, 4982..5137, 4992..5144, 4993..5103, 4995..5135, 5000..5104, 5001..5126,		

5003..5110, 5004..5111, 5005..5118, 5010..5096, 5011..5109,
5011..5112, 5029..5148, 5126..5251, 5136..5267, 5145..5264,
5147..5266, 5148..5264, 5150..5266, 5151..5261, 5156..5260,
5159..5263, 5159..5275, 5165..5266, 5166..5294, 5286..5318,
5321..5392, 5322..5399, 5329..5466, 5330..5464, 5335..5460,
5336..5482, 5339..5488, 5341..5460, 5354..5470, 5376..5480,
5501..5590, 5504..5599, 5512..5592, 5528..5599, 5535..5612,
5538..5615, 5541..5600, 5598..5708, 5682..5711, 5683..5805,
5685..5813, 5689..5763, 5695..5784, 5695..5814

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12805	Strand	-
Start	7595	End	9220
Name	OJ991013_13.0222.C10.o3.gs	Method	GENSCAN
Start	7595	End	9220
GI	none	Score	.84
Exons	7595..8233, 8304..8817, 8868..9220		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12805	Strand	-
Start	7595	End	9220
Name	OJ991013_13.0222.C10.o1.np	Method	AAT/NAP
Start	7604	End	9169
GI	5915840	Score	885
Exons	7604..8233, 8304..8681, 8712..9169		
GI Descrip.	CYTOCHROME P450 71D11 gi|2367431 (AF000403) putative cytochrome P450 [Lotus japonicus]		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12805	Strand	-
Start	7595	End	9220
Name	OJ991013_13.0222.C10.o2.tw	Method	TBLASTX:Wheat
Start	7619	End	7894
GI	none	Score	176
Exons	7619..7849, 7623..7850, 7655..7849, 7865..7894		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12805	Strand	-
Start	7595	End	9220
Name	OJ991013_13.0222.C10.o1.ts	Method	TBLASTX:Soybean
Start	7632	End	9115
GI	none	Score	96
Exons	7632..7844, 7655..7849, 7868..8095, 7869..8033, 8126..8239, 8130..8234, 8304..8399, 8403..8672, 8796..8873, 8903..9115		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12805	Strand	-
Start	7595	End	9220
Name	OJ991013_13.0222.C10.o1.tc	Method	TBLASTX:Cress
Start	7718	End	9112
GI	none	Score	81
Exons	7718..7849, 7776..7844, 7868..8239, 7869..7973, 7998..8054, 8048..8164, 8814..8873, 8897..9067, 9056..9112		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12805	Strand	-
Start	7595	End	9220

Name	OJ991013_13.0222.C10.o1.tm	Method	TBLASTX:Maize
Start	7763	End	8492
GI	none	Score	78
Exons	7763..7849, 7763..7849, 7776..7850, 7856..8116, 7857..8117, 8100..8231, 8114..8167, 8114..8233, 8115..8234, 8302..8334, 8303..8335, 8304..8396, 8388..8492		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12805	Strand	-
Start	7595	End	9220
Name	OJ991013_13.0222.C10.o1.tw	Method	TBLASTX:Wheat
Start	7919	End	8393
GI	none	Score	121
Exons	7919..8113, 7920..8108, 8117..8233, 8127..8234, 8304..8393		

Seq. No.	6071	Seq. ID	OJ991013_13.0222.C10
Gene No.	12805	Strand	-
Start	7595	End	9220
Name	OJ991013_13.0222.C10.o2.tm	Method	TBLASTX:Maize
Start	8733	End	9116
GI	none	Score	135
Exons	8733..8864, 8736..8864, 8773..8868, 8847..9116, 8867..9115		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12806	Strand	+
Start	2092	End	2660
Name	OJ991013_13.0222.C11.o1.gp	Method	AAT/GAP
Start	2092	End	2660
GI	4879016	Score	860
Exons	2092..2660		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12807	Strand	+
Start	11559	End	11875
Name	OJ991013_13.0222.C11.o2.gp	Method	AAT/GAP
Start	11559	End	11875
GI	72524_1.R1084	Score	396
Exons	11559..11875		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12808	Strand	+
Start	17720	End	24261
Name	OJ991013_13.0222.C11.o2.gs	Method	GENSCAN
Start	17720	End	22133
GI	none	Score	.64
Exons	17720..17863, 19165..19575, 19667..19780, 20110..20175, 20910..20955, 21745..22133		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12808	Strand	+
Start	17720	End	24261
Name	OJ991013_13.0222.C11.o2.np	Method	AAT/NAP

Start	18138	End	24261
GI	2213632	Score	741
Exons	18138..18602, 21717..21990, 24197..24261		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12808	Strand	+
Start	17720	End	24261
Name	OJ991013_13.0222.C11.o4.gp	Method	AAT/GAP
Start	20622	End	21003
GI	uC-osflcyp033a04b1	Score	655
Exons	20622..21003		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12808	Strand	+
Start	17720	End	24261
Name	OJ991013_13.0222.C11.o3.np	Method	AAT/NAP
Start	22636	End	24261
GI	6721512	Score	70
Exons	22636..22724, 22752..22910, 24235..24261		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12808	Strand	+
Start	17720	End	24261
Name	OJ991013_13.0222.C11.o5.np	Method	AAT/NAP
Start	22919	End	24261
GI	6907089	Score	313
Exons	22919..23034, 23651..24261		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12808	Strand	+
Start	17720	End	24261
Name	OJ991013_13.0222.C11.o4.np	Method	AAT/NAP
Start	23562	End	24261
GI	6721558	Score	127
Exons	23562..23694, 24240..24261		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12809	Strand	-
Start	13291	End	16463
Name	OJ991013_13.0222.C11.o1.np	Method	AAT/NAP
Start	13291	End	16463
GI	5091513	Score	1331
Exons	13291..13611, 14295..14476, 14551..15153, 15898..16463		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12810	Strand	-
Start	17250	End	18185
Name	OJ991013_13.0222.C11.o3.gp	Method	AAT/GAP

Start	17250	End	18185
GI	72524_1.R1084	Score	415
Exons	17250..17565, 18154..18185		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12811	Strand	-
Start	22602	End	24230
Name	OJ991013_13.0222.C11.o3.tw	Method	TBLASTX:Wheat
Start	9636	End	10046
GI	none	Score	56
Exons	9636..9725, 9699..9914, 9703..9897, 9930..10046		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12811	Strand	-
Start	22602	End	24230
Name	OJ991013_13.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	18090	End	18518
GI	none	Score	419
Exons	18090..18518, 18098..18502		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12811	Strand	-
Start	22602	End	24230
Name	OJ991013_13.0222.C11.o1.tw	Method	TBLASTX:Wheat
Start	18251	End	18596
GI	none	Score	362
Exons	18251..18574, 18252..18596		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12811	Strand	-
Start	22602	End	24230
Name	OJ991013_13.0222.C11.o2.tm	Method	TBLASTX:Maize
Start	18519	End	21971
GI	none	Score	98
Exons	18519..18602, 18521..18583, 21705..21866, 21713..21865, 21903..21968, 21906..21971		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12811	Strand	-
Start	22602	End	24230
Name	OJ991013_13.0222.C11.o2.tw	Method	TBLASTX:Wheat
Start	21701	End	22079
GI	none	Score	318
Exons	21701..21973, 21702..22079, 21702..22046		

Seq. No.	6072	Seq. ID	OJ991013_13.0222.C11
Gene No.	12811	Strand	-
Start	22602	End	24230
Name	OJ991013_13.0222.C11.o3.gs	Method	GENSCAN
Start	22602	End	24230
GI	none	Score	.73
Exons	22602..22661, 23143..23416, 23671..24230		

Seq. No.	6073	Seq. ID	OJ991013_13.0222.C12
Gene No.	12812	Strand	+

Start	1	End	1099
Name	OJ991013_13.0222.C12.o1.np	Method	AAT/NAP
Start	1	End	1099
GI	6721561	Score	1078
Exons	1..182, 251..309, 392..1099		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6073	Seq. ID	OJ991013_13.0222.C12
Gene No.	12812	Strand	+
Start	1	End	1099
Name	OJ991013_13.0222.C12.o1.gs	Method	GENSCAN
Start	49	End	1033
GI	none	Score	.76
Exons	49..182, 212..309, 485..701, 762..1033		

Seq. No.	6074	Seq. ID	OJ991013_13.0222.C13
Gene No.	12813	Strand	+
Start	1	End	3029
Name	OJ991013_13.0222.C13.o2.np	Method	AAT/NAP
Start	1	End	3029
GI	6721512	Score	84
Exons	1..253, 1268..1413, 1441..1548, 2905..3029		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6074	Seq. ID	OJ991013_13.0222.C13
Gene No.	12814	Strand	-
Start	49	End	1203
Name	OJ991013_13.0222.C13.o1.np	Method	AAT/NAP
Start	49	End	1203
GI	5902445	Score	1099
Exons	49..1203		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6074	Seq. ID	OJ991013_13.0222.C13
Gene No.	12814	Strand	-
Start	49	End	1203
Name	OJ991013_13.0222.C13.o1.tw	Method	TBLASTX:Wheat
Start	58	End	666
GI	none	Score	69
Exons	58..186, 59..184, 214..666, 410..517, 478..648		

Seq. No.	6074	Seq. ID	OJ991013_13.0222.C13
Gene No.	12814	Strand	-
Start	49	End	1203
Name	OJ991013_13.0222.C13.o2.tm	Method	TBLASTX:Maize
Start	94	End	360
GI	none	Score	138
Exons	94..177, 178..360		

Seq. No.	6074	Seq. ID	OJ991013_13.0222.C13
Gene No.	12814	Strand	-
Start	49	End	1203
Name	OJ991013_13.0222.C13.o2.tw	Method	TBLASTX:Wheat

Start	790	End	1172
GI	none	Score	71
Exons	790..894, 791..895, 885..1172, 886..1164		

Seq. No.	6074	Seq. ID	OJ991013_13.0222.C13
Gene No.	12814	Strand	-
Start	49	End	1203
Name	OJ991013_13.0222.C13.o1.tm	Method	TBLASTX:Maize
Start	885	End	1172
GI	none	Score	161
Exons	885..1172, 886..1155		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12815	Strand	+
Start	1202	End	3994
Name	OJ991013_13.0222.C15.o1.gs	Method	GENSCAN
Start	1202	End	3101
GI	none	Score	.58
Exons	1202..1661, 1724..2089, 2644..3101		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12815	Strand	+
Start	1202	End	3994
Name	OJ991013_13.0222.C15.o1.np	Method	AAT/NAP
Start	1311	End	3994
GI	6016874	Score	666
Exons	1311..1543, 1930..2089, 2477..2643, 2842..3195, 3655..3854, 3930..3994		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12816	Strand	+
Start	5587	End	6973
Name	OJ991013_13.0222.C15.o2.gs	Method	GENSCAN
Start	5587	End	6973
GI	none	Score	.76
Exons	5587..5630, 5807..5885, 6809..6908, 6951..6973		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12817	Strand	+
Start	7830	End	11509
Name	OJ991013_13.0222.C15.o1.gp	Method	AAT/GAP
Start	7745	End	8872
GI	42382_1.R1084	Score	946
Exons	7745..8076, 8710..8872		
GI Descrip.	'3928088 3.0e-23 (AC005770) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12817	Strand	+
Start	7830	End	11509
Name	OJ991013_13.0222.C15.o3.gs	Method	GENSCAN
Start	7830	End	9479
GI	none	Score	.67
Exons	7830..8076, 8797..9062, 9330..9479		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12817	Strand	+
Start	7830	End	11509
Name	OJ991013_13.0222.C15.o2.np	Method	AAT/NAP
Start	7857	End	11509
GI	1546688	Score	578
Exons	7857..8076, 8710..9062, 10919..11039, 11224..11509		
GI Descrip.	(X98802) peroxidase ATP11a [Arabidopsis thaliana] gi|2388572 (AC000098) Strong similarity to Arabidopsis peroxidase ATP11A (gb|X98802). [Arabidopsis thaliana] gi|2388573 (AC000098) Strong similarity to Arabidopsis peroxidase ATP11A (gb|X98802). [Arabidopsis thaliana]		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o2.tm	Method	TBLASTX:Maize
Start	1240	End	1734
GI	none	Score	45
Exons	1240..1275, 1300..1353, 1366..1581, 1367..1624, 1367..1624, 1625..1729, 1639..1734, 1643..1732		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o1.tm	Method	TBLASTX:Maize
Start	1831	End	2147
GI	none	Score	80
Exons	1831..1911, 1921..2145, 1921..2139, 1926..2147		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o4.tm	Method	TBLASTX:Maize
Start	2344	End	2666
GI	none	Score	237
Exons	2344..2592, 2365..2508, 2391..2552, 2589..2666, 2597..2641		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o5.tm	Method	TBLASTX:Maize
Start	2885	End	3131
GI	none	Score	243
Exons	2885..3127, 2889..3131		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o3.tm	Method	TBLASTX:Maize
Start	7932	End	11512
GI	none	Score	138
Exons	7932..8075, 7951..8076, 8701..8748, 8752..8910, 8754..8903, 8910..8951, 8910..8945, 9013..9090, 9014..9091, 11237..11512, 11324..11509		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o1.tc	Method	TBLASTX:Cress
Start	7951	End	11515
GI	none	Score	131
Exons	7951..8076, 7965..8072, 8647..8895, 8709..8888, 8913..8993, 9017..9091, 11243..11395, 11405..11515		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o1.ts	Method	TBLASTX:Soybean
Start	7951	End	11515
GI	none	Score	131
Exons	7951..8076, 8647..8889, 8709..8882, 8913..9008, 8993..9091, 9017..9091, 11249..11410, 11411..11515		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o1.tw	Method	TBLASTX:Wheat
Start	8701	End	8987
GI	none	Score	58
Exons	8701..8769, 8709..8768, 8745..8888, 8752..8889, 8913..8987		

Seq. No.	6075	Seq. ID	OJ991013_13.0222.C15
Gene No.	12818	Strand	-
Start	10891	End	13617
Name	OJ991013_13.0222.C15.o4.gs	Method	GENSCAN
Start	10891	End	13617
GI	none	Score	.82
Exons	10891..11139, 11231..11515, 11893..12005, 13464..13617		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o1.np	Method	AAT/NAP
Start	1	End	1838
GI	4544372	Score	694
Exons	1..89, 390..1444, 1504..1838		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o1.gs	Method	GENSCAN
Start	314	End	1550
GI	none	Score	.49
Exons	314..915, 1517..1550		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o1.ts	Method	TBLASTX:Soybean
Start	554	End	919

GI	none	Score	140
Exons	554..778, 785..919		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o1.tw	Method	TBLASTX:Wheat
Start	716	End	1120
GI	none	Score	73
Exons	716..772, 716..748, 767..1120, 774..881, 775..918, 776..1120		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o2.tm	Method	TBLASTX:Maize
Start	770	End	988
GI	none	Score	268
Exons	770..988, 775..987		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o1.tm	Method	TBLASTX:Maize
Start	989	End	1445
GI	none	Score	350
Exons	989..1270, 991..1242, 998..1252, 1279..1374, 1284..1379, 1377..1445		

Seq. No.	6076	Seq. ID	OJ991013_13.0222.C16
Gene No.	12819	Strand	+
Start	1	End	1838
Name	OJ991013_13.0222.C16.o2.ts	Method	TBLASTX:Soybean
Start	1064	End	1285
GI	none	Score	194
Exons	1064..1285, 1088..1198, 1114..1242		

Seq. No.	6077	Seq. ID	OJ991013_13.0222.C17
Gene No.	12820	Strand	+
Start	1	End	282
Name	OJ991013_13.0222.C17.o1.np	Method	AAT/NAP
Start	1	End	282
GI	629693	Score	143
Exons	1..282		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	6077	Seq. ID	OJ991013_13.0222.C17
Gene No.	12821	Strand	-
Start	1683	End	6225
Name	OJ991013_13.0222.C17.o1.ts	Method	TBLASTX:Soybean
Start	5	End	242
GI	none	Score	71
Exons	5..58, 55..237, 57..164, 201..242		

Seq. No.	6077	Seq. ID	OJ991013_13.0222.C17
Gene No.	12821	Strand	-
Start	1683	End	6225

Name	OJ991013_13.0222.C17.o2.np	Method	AAT/NAP
Start	1683	End	6225
GI	6063554	Score	132
Exons	1683..1859, 2779..2988, 6030..6225		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6077	Seq. ID	OJ991013_13.0222.C17
Gene No.	12821	Strand	-
Start	1683	End	6225
Name	OJ991013_13.0222.C17.o2.gs	Method	GENSCAN
Start	3720	End	6052
GI	none	Score	.46
Exons	3720..4101, 4133..4216, 4519..4739, 4937..5069, 5355..6052		

Seq. No.	6078	Seq. ID	OJ991013_13.0222.C18
Gene No.	12822	Strand	-
Start	47	End	97
Name	OJ991013_13.0222.C18.o1.gs	Method	GENSCAN
Start	47	End	97
GI	none	Score	.57
Exons	47..97		

Seq. No.	6079	Seq. ID	OJ991013_13.0222.C19
Gene No.	12823	Strand	+
Start	1	End	677
Name	OJ991013_13.0222.C19.o1.np	Method	AAT/NAP
Start	1	End	677
GI	5091513	Score	927
Exons	1..677		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6080	Seq. ID	OJ991013_13.0222.C20
Gene No.	12824	Strand	+
Start	1	End	1029
Name	OJ991013_13.0222.C20.o1.np	Method	AAT/NAP
Start	1	End	1029
GI	5091513	Score	1204
Exons	1..1029		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6080	Seq. ID	OJ991013_13.0222.C20
Gene No.	12824	Strand	+
Start	1	End	1029
Name	OJ991013_13.0222.C20.o1.gs	Method	GENSCAN
Start	53	End	979
GI	none	Score	.89
Exons	53..979		

Seq. No.	6081	Seq. ID	OJ991013_13.0222.C21
Gene No.	12825	Strand	
Start	303	End	539
Name	OJ991013_13.0222.C21.o1.tm	Method	TBLASTX:Maize
Start	303	End	539
GI	none	Score	49
Exons	303..380, 328..372, 377..538, 417..539		

Seq. No.	6082	Seq. ID	OJ991013_13.0222.C22
Gene No.	12826	Strand	-
Start	1	End	714
Name	OJ991013_13.0222.C22.o1.np	Method	AAT/NAP
Start	1	End	714
GI	4895255	Score	118
Exons	1..39, 521..714		
GI Descrip.	(AC007659) unknown protein [Arabidopsis thaliana]		

Seq. No.	6083	Seq. ID	OJ991013_13.0222.C23
Gene No.	12827	Strand	-
Start	24	End	758
Name	OJ991013_13.0222.C23.o1.gs	Method	GENSCAN
Start	24	End	758
GI	none	Score	.45
Exons	24..502, 613..758		

Seq. No.	6084	Seq. ID	OJ991013_13.0222.C24
Gene No.	12828	Strand	-
Start	1	End	283
Name	OJ991013_13.0222.C24.o1.np	Method	AAT/NAP
Start	1	End	283
GI	5042447	Score	454
Exons	1..283		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6084	Seq. ID	OJ991013_13.0222.C24
Gene No.	12828	Strand	-
Start	1	End	283
Name	OJ991013_13.0222.C24.o1.tm	Method	TBLASTX:Maize
Start	1	End	282
GI	none	Score	36
Exons	1..282, 11..40, 80..265		

Seq. No.	6084	Seq. ID	OJ991013_13.0222.C24
Gene No.	12828	Strand	-
Start	1	End	283
Name	OJ991013_13.0222.C24.o1.tw	Method	TBLASTX:Wheat
Start	1	End	282
GI	none	Score	173
Exons	1..282, 11..265		

Seq. No.	6084	Seq. ID	OJ991013_13.0222.C24
Gene No.	12828	Strand	-
Start	1	End	283
Name	OJ991013_13.0222.C24.o1.ts	Method	TBLASTX:Soybean
Start	91	End	282
GI	none	Score	119
Exons	91..282, 92..274		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12829	Strand	+
Start	351	End	2994
Name	OJ991213_04.0207.C1.o1.gs	Method	GENSCAN
Start	351	End	2994
GI	none	Score	.57

Exons	351..361, 1923..1990, 2517..2704, 2800..2994		
Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12830	Strand	+
Start	6941	End	9764
Name	OJ991213_04.0207.C1.o3.gs	Method	GENSCAN
Start	6941	End	9764
GI	none	Score	.81
Exons	6941..7647, 7666..8003, 8698..9764		
Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12831	Strand	+
Start	10433	End	11786
Name	OJ991213_04.0207.C1.o4.gs	Method	GENSCAN
Start	10433	End	11786
GI	none	Score	.75
Exons	10433..10629, 10802..10956, 11179..11786		
Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12831	Strand	+
Start	10433	End	11786
Name	OJ991213_04.0207.C1.o1.np	Method	AAT/NAP
Start	10845	End	11662
GI	2213632	Score	710
Exons	10845..11662		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		
Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12832	Strand	+
Start	14701	End	18864
Name	OJ991213_04.0207.C1.o3.np	Method	AAT/NAP
Start	14701	End	18864
GI	5902444	Score	781
Exons	14701..14737, 17394..18864		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12833	Strand	-
Start	3874	End	4245
Name	OJ991213_04.0207.C1.o2.gs	Method	GENSCAN
Start	3874	End	4245
GI	none	Score	.95
Exons	3874..4245		
Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o2.tw	Method	TBLASTX:Wheat
Start	5	End	265
GI	none	Score	236
Exons	5..265, 16..264		
Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o4.tm	Method	TBLASTX:Maize
Start	154	End	442

GI	none	Score	244
Exons	154..309, 155..442		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o2.ts	Method	TBLASTX:Soybean
Start	2459	End	14957
GI	none	Score	132
Exons	2459..2683, 2578..2670, 2722..2799, 6959..7123, 6979..7113, 7142..7213, 7334..7378, 14762..14845, 14847..14957		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o2.tm	Method	TBLASTX:Maize
Start	2504	End	14948
GI	none	Score	134
Exons	2504..2683, 2578..2682, 2722..2799, 3343..3474, 3353..3484, 6968..7123, 6995..7126, 7142..7213, 7445..7687, 7522..7701, 7739..7954, 7774..7950, 14239..14406, 14251..14409, 14777..14845, 14847..14948		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o1.ts	Method	TBLASTX:Soybean
Start	3336	End	14404
GI	none	Score	119
Exons	3336..3473, 3343..3474, 7445..7687, 7513..7701, 7739..7954, 7771..7950, 7952..8008, 14239..14403, 14240..14404		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o5.tw	Method	TBLASTX:Wheat
Start	7333	End	14537
GI	none	Score	73
Exons	7333..7383, 7334..7420, 7442..7603, 7448..7585, 14287..14406, 14288..14446, 14403..14450, 14403..14450, 14493..14537		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o1.tc	Method	TBLASTX:Cress
Start	7445	End	14443
GI	none	Score	218
Exons	7445..7687, 7445..7714, 14239..14421, 14240..14443		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o3.tw	Method	TBLASTX:Wheat
Start	10683	End	11011
GI	none	Score	222
Exons	10683..11009, 10710..10988, 10784..11011		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o3.tm	Method	TBLASTX:Maize
Start	10800	End	11087
GI	none	Score	259
Exons	10800..11087, 10814..11080, 11008..11085		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o1.tm	Method	TBLASTX:Maize
Start	11088	End	11567
GI	none	Score	42
Exons	11088..11126, 11129..11461, 11130..11462, 11502..11567		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o1.tw	Method	TBLASTX:Wheat
Start	11141	End	11555
GI	none	Score	215
Exons	11141..11308, 11142..11318, 11309..11554, 11310..11555		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o2.np	Method	AAT/NAP
Start	12851	End	16395
GI	4680501	Score	65
Exons	12851..12867, 14267..14440, 16354..16395		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o5.gs	Method	GENSCAN
Start	12955	End	13236
GI	none	Score	.99
Exons	12955..13236		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12834	Strand	-
Start	12955	End	16395
Name	OJ991213_04.0207.C1.o6.gs	Method	GENSCAN
Start	14176	End	14960
GI	none	Score	.79
Exons	14176..14295, 14496..14631, 14644..14960		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12835	Strand	
Start	17604	End	17992
Name	OJ991213_04.0207.C1.o4.tw	Method	TBLASTX:Wheat
Start	17604	End	17992
GI	none	Score	155
Exons	17604..17807, 17810..17992		

Seq. No.	6085	Seq. ID	OJ991213_04.0207.C1
Gene No.	12836	Strand	
Start	18470	End	18778
Name	OJ991213_04.0207.C1.o6.tw	Method	TBLASTX:Wheat
Start	18470	End	18778
GI	none	Score	178
Exons	18470..18778		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12837	Strand	+
Start	1	End	2797
Name	OJ991213_04.0207.C2.o1.np	Method	AAT/NAP
Start	1	End	2794
GI	5902445	Score	2606
Exons	1..1513, 1553..2794		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12837	Strand	+
Start	1	End	2797
Name	OJ991213_04.0207.C2.o1.gs	Method	GENSCAN
Start	38	End	2797
GI	none	Score	.48
Exons	38..85, 155..427, 545..2797		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12838	Strand	-
Start	3407	End	7383
Name	OJ991213_04.0207.C2.o2.gs	Method	GENSCAN
Start	3407	End	7154
GI	none	Score	.57
Exons	3407..3924, 4022..4167, 4289..5050, 5120..5142, 5194..5397, 5465..5589, 5756..6391, 7070..7154		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12838	Strand	-
Start	3407	End	7383
Name	OJ991213_04.0207.C2.o2.np	Method	AAT/NAP
Start	4288	End	5865
GI	6721561	Score	929
Exons	4288..5050, 5120..5145, 5180..5431, 5830..5865		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12838	Strand	-
Start	3407	End	7383
Name	OJ991213_04.0207.C2.o3.np	Method	AAT/NAP
Start	4850	End	6389
GI	6721558	Score	232
Exons	4850..5052, 5465..5589, 6290..6389		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12838	Strand	-
Start	3407	End	7383
Name	OJ991213_04.0207.C2.o4.np	Method	AAT/NAP
Start	5603	End	7383
GI	6721512	Score	52
Exons	5603..5628, 7223..7383		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o5.tw	Method	TBLASTX:Wheat
Start	2	End	190
GI	none	Score	204
Exons	2..190, 49..135		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o2.tm	Method	TBLASTX:Maize
Start	134	End	517
GI	none	Score	318
Exons	134..517, 161..271, 168..350, 301..516		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o1.tw	Method	TBLASTX:Wheat
Start	191	End	615
GI	none	Score	445
Exons	191..613, 191..385, 301..615		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o1.ts	Method	TBLASTX:Soybean
Start	245	End	670
GI	none	Score	297
Exons	245..670, 304..429		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o4.tw	Method	TBLASTX:Wheat
Start	761	End	1168
GI	none	Score	209
Exons	761..985, 826..987, 995..1165, 1088..1168		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o6.tw	Method	TBLASTX:Wheat
Start	1222	End	1465
GI	none	Score	174
Exons	1222..1338, 1223..1465, 1316..1456		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o1.tm	Method	TBLASTX:Maize
Start	1670	End	1975
GI	none	Score	339
Exons	1670..1975, 1708..1974		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o3.tw	Method	TBLASTX:Wheat
Start	1670	End	2053
GI	none	Score	358
Exons	1670..2053, 1678..2052		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o2.tw	Method	TBLASTX:Wheat
Start	2177	End	2785
GI	none	Score	341
Exons	2177..2629, 2216..2257, 2326..2433, 2654..2785, 2659..2772		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o3.tm	Method	TBLASTX:Maize
Start	2501	End	2749
GI	none	Score	148
Exons	2501..2665, 2614..2664, 2659..2715, 2666..2749		

Seq. No.	6086	Seq. ID	OJ991213_04.0207.C2
Gene No.	12839	Strand	-
Start	7657	End	9787
Name	OJ991213_04.0207.C2.o3.gs	Method	GENSCAN
Start	7657	End	9787
GI	none	Score	.61
Exons	7657..7846, 8413..8529, 9565..9653, 9734..9787		

Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12840	Strand	-
Start	1443	End	3134
Name	OJ991213_04.0207.C3.o3.np	Method	AAT/NAP
Start	1443	End	3134
GI	4926870	Score	797
Exons	1443..3134		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12840	Strand	-
Start	1443	End	3134
Name	OJ991213_04.0207.C3.o2.np	Method	AAT/NAP
Start	1448	End	3115
GI	4335720	Score	622

Exons	1448..2327, 2529..3115		
GI Descrip.	(AC006248) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12841	Strand	-
Start	5177	End	5745
Name	OJ991213_04.0207.C3.o3.tw	Method	TBLASTX:Wheat
Start	1295	End	1655
GI	none	Score	108
Exons	1295..1648, 1497..1655		
Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12841	Strand	-
Start	5177	End	5745
Name	OJ991213_04.0207.C3.o4.tw	Method	TBLASTX:Wheat
Start	2036	End	2238
GI	none	Score	70
Exons	2036..2167, 2043..2171, 2167..2238, 2170..2229, 2174..2236		
Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12841	Strand	-
Start	5177	End	5745
Name	OJ991213_04.0207.C3.o1.tm	Method	TBLASTX:Maize
Start	2093	End	2455
GI	none	Score	138
Exons	2093..2167, 2105..2455, 2167..2445		
Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12841	Strand	-
Start	5177	End	5745
Name	OJ991213_04.0207.C3.o1.tw	Method	TBLASTX:Wheat
Start	2243	End	2641
GI	none	Score	214
Exons	2243..2641, 2257..2640		
Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12841	Strand	-
Start	5177	End	5745
Name	OJ991213_04.0207.C3.o2.tw	Method	TBLASTX:Wheat
Start	2811	End	3162
GI	none	Score	177
Exons	2811..2978, 2812..2985, 2820..3005, 2836..2979, 2971..3162, 2973..3110		
Seq. No.	6087	Seq. ID	OJ991213_04.0207.C3
Gene No.	12841	Strand	-
Start	5177	End	5745
Name	OJ991213_04.0207.C3.o1.gp	Method	AAT/GAP
Start	5177	End	5745
GI	4879016	Score	876
Exons	5177..5745		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	6088	Seq. ID	OJ991213_04.0207.C4

Gene No.	12842	Strand	-
Start	411	End	545
Name	OJ991213_04.0207.C4.o1.gs	Method	GENSCAN
Start	411	End	545
GI	none	Score	.88
Exons	411..545		

Seq. No.	6089	Seq. ID	OJ991213_04.0207.C5
Gene No.	12843	Strand	-
Start	807	End	1184
Name	OJ991213_04.0207.C5.o1.gs	Method	GENSCAN
Start	807	End	1184
GI	none	Score	.87
Exons	807..1184		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12844	Strand	+
Start	981	End	1111
Name	OJ991213_04.0207.C6.o1.gs	Method	GENSCAN
Start	981	End	1111
GI	none	Score	.91
Exons	981..1111		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o1.np	Method	AAT/NAP
Start	579	End	6920
GI	4206306	Score	1181
Exons	579..598, 2168..2878, 3092..5118, 5303..5771, 6851..6920		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o2.gs	Method	GENSCAN
Start	1428	End	11999
GI	none	Score	.69
Exons	1428..1504, 1966..2157, 2365..2584, 2698..3241, 3297..3782, 3858..3996, 4165..4755, 4927..5184, 5505..6101, 6115..6207, 6239..6368, 6751..7209, 11543..11999		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o4.ts	Method	TBLASTX:Soybean
Start	1779	End	2068
GI	none	Score	54
Exons	1779..1862, 1823..2068, 1938..2018, 1994..2044		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o5.ts	Method	TBLASTX:Soybean
Start	2218	End	2613
GI	none	Score	85
Exons	2218..2613, 2324..2512		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o5.tw	Method	TBLASTX:Wheat
Start	2386	End	2778
GI	none	Score	117
Exons	2386..2439, 2467..2580, 2617..2778		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o5.tm	Method	TBLASTX:Maize
Start	2467	End	2820
GI	none	Score	226
Exons	2467..2820		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o4.tw	Method	TBLASTX:Wheat
Start	3293	End	3706
GI	none	Score	36
Exons	3293..3562, 3357..3458, 3492..3563, 3617..3706		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o2.ts	Method	TBLASTX:Soybean
Start	3335	End	3751
GI	none	Score	75
Exons	3335..3577, 3339..3452, 3492..3578, 3608..3751, 3618..3749		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o3.ts	Method	TBLASTX:Soybean
Start	3903	End	4372
GI	none	Score	55
Exons	3903..4049, 3905..4051, 4080..4337, 4091..4372		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o3.tw	Method	TBLASTX:Wheat
Start	3989	End	4370
GI	none	Score	50
Exons	3989..4090, 3993..4088, 4067..4369, 4107..4370		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o1.tm	Method	TBLASTX:Maize
Start	4058	End	4519
GI	none	Score	343
Exons	4058..4519, 4059..4370, 4286..4519		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o1.tw	Method	TBLASTX:Wheat
Start	4387	End	4795
GI	none	Score	207
Exons	4387..4677, 4388..4795, 4446..4778		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o3.tm	Method	TBLASTX:Maize
Start	4520	End	4735
GI	none	Score	73
Exons	4520..4666, 4520..4735, 4521..4733		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o6.ts	Method	TBLASTX:Soybean
Start	4589	End	4957
GI	none	Score	138
Exons	4589..4723, 4739..4957		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o7.ts	Method	TBLASTX:Soybean
Start	5428	End	5790
GI	none	Score	184
Exons	5428..5790		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o3.np	Method	AAT/NAP
Start	6604	End	12060
GI	2689221	Score	779
Exons	6604..7209, 11543..12060		
GI Descrip.	(Y10098) 7-ethoxycoumarin O-deethylase [Helianthus tuberosus]		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o1.ts	Method	TBLASTX:Soybean
Start	6608	End	7210
GI	none	Score	269
Exons	6608..7210, 6610..7209		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o1.tc	Method	TBLASTX:Cress
Start	6610	End	11931
GI	none	Score	317
Exons	6610..6687, 6679..7209, 6680..7210, 11735..11878, 11878..11931		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o2.tw	Method	TBLASTX:Wheat
Start	6628	End	6949
GI	none	Score	72
Exons	6628..6678, 6682..6837, 6773..6835, 6847..6948, 6848..6949		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o2.tm	Method	TBLASTX:Maize
Start	6680	End	7210
GI	none	Score	169
Exons	6680..6835, 6680..6793, 6682..6837, 6838..6975, 6838..7209, 6845..7210, 7022..7210		

Seq. No.	6090	Seq. ID	OJ991213_04.0207.C6
Gene No.	12845	Strand	-
Start	579	End	12060
Name	OJ991213_04.0207.C6.o4.tm	Method	TBLASTX:Maize
Start	11609	End	11931
GI	none	Score	63
Exons	11609..11845, 11763..11828, 11831..11884, 11835..11885, 11884..11931		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o1.gs	Method	GENSCAN
Start	1376	End	2829
GI	none	Score	.98
Exons	1376..1461, 1686..2829		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o1.np	Method	AAT/NAP
Start	1696	End	3909
GI	6862923	Score	552
Exons	1696..2813, 3867..3909		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o1.tm	Method	TBLASTX:Maize
Start	1765	End	2814
GI	none	Score	165
Exons	1765..1917, 1924..2013, 2308..2499, 2343..2501, 2545..2814, 2547..2813		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o2.tw	Method	TBLASTX:Wheat
Start	2130	End	2400

GI	none	Score	56
Exons	2130..2183, 2131..2181, 2242..2295, 2293..2400, 2308..2397, 2343..2399		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o1.ts	Method	TBLASTX:Soybean
Start	2236	End	2817
GI	none	Score	54
Exons	2236..2286, 2290..2499, 2340..2501, 2545..2817, 2547..2816		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o1.tc	Method	TBLASTX:Cress
Start	2428	End	2796
GI	none	Score	84
Exons	2428..2499, 2433..2498, 2509..2796, 2541..2696		

Seq. No.	6091	Seq. ID	OJ991213_04.0207.C7
Gene No.	12846	Strand	+
Start	1376	End	3909
Name	OJ991213_04.0207.C7.o1.tw	Method	TBLASTX:Wheat
Start	2428	End	2796
GI	none	Score	77
Exons	2428..2505, 2551..2706, 2719..2796		

Seq. No.	6092	Seq. ID	OJ991213_04.0207.C8
Gene No.	12847	Strand	+
Start	94	End	361
Name	OJ991213_04.0207.C8.o1.gs	Method	GENSCAN
Start	94	End	361
GI	none	Score	.58
Exons	94..212, 269..361		

Seq. No.	6092	Seq. ID	OJ991213_04.0207.C8
Gene No.	12848	Strand	-
Start	485	End	695
Name	OJ991213_04.0207.C8.o2.gs	Method	GENSCAN
Start	485	End	695
GI	none	Score	.45
Exons	485..695		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12849	Strand	+
Start	238	End	5764
Name	OJ991213_04.0207.C9.o1.gs	Method	GENSCAN
Start	238	End	5764
GI	none	Score	.61
Exons	238..299, 2316..2435, 3533..3682, 3841..3881, 4492..4621, 4689..4983, 5012..5301, 5321..5764		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12849	Strand	+
Start	238	End	5764
Name	OJ991213_04.0207.C9.o1.np	Method	AAT/NAP

Start	4624	End	5746
GI	4680501	Score	383
Exons	4624..5746		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12850	Strand	-
Start	6683	End	8409
Name	OJ991213_04.0207.C9.o1.tm	Method	TBLASTX:Maize
Start	4696	End	5743
GI	none	Score	81
Exons	4696..4842, 4842..4877, 5077..5148, 5188..5310, 5299..5433, 5300..5443, 5471..5743		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12850	Strand	-
Start	6683	End	8409
Name	OJ991213_04.0207.C9.o1.ts	Method	TBLASTX:Soybean
Start	5077	End	5743
GI	none	Score	64
Exons	5077..5148, 5188..5310, 5262..5315, 5299..5433, 5300..5440, 5471..5743, 5503..5721		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12850	Strand	-
Start	6683	End	8409
Name	OJ991213_04.0207.C9.o1.tw	Method	TBLASTX:Wheat
Start	5342	End	5743
GI	none	Score	78
Exons	5342..5437, 5435..5644, 5648..5743		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12850	Strand	-
Start	6683	End	8409
Name	OJ991213_04.0207.C9.o1.tc	Method	TBLASTX:Cress
Start	5456	End	5743
GI	none	Score	201
Exons	5456..5743, 5503..5709		

Seq. No.	6093	Seq. ID	OJ991213_04.0207.C9
Gene No.	12850	Strand	-
Start	6683	End	8409
Name	OJ991213_04.0207.C9.o2.gs	Method	GENSCAN
Start	6683	End	8409
GI	none	Score	.54
Exons	6683..7039, 7831..7941, 8323..8409		

Seq. No.	6094	Seq. ID	OJ991213_04.0207.C10
Gene No.	12851	Strand	+
Start	956	End	2966
Name	OJ991213_04.0207.C10.o1.np	Method	AAT/NAP
Start	956	End	2966
GI	6862923	Score	554
Exons	956..2070, 2873..2966		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	6094	Seq. ID	OJ991213_04.0207.C10

Gene No.	12851	Strand	+
Start	956	End	2966
Name	OJ991213_04.0207.C10.o1.tm	Method	TBLASTX:Maize
Start	1016	End	2068
GI	none	Score	167
Exons	1016..1174, 1020..1178, 1050..1181, 1197..1268, 1500..1742, 1577..1756, 1794..1958, 1828..1959, 1988..2068		

Seq. No.	6094	Seq. ID	OJ991213_04.0207.C10
Gene No.	12851	Strand	+
Start	956	End	2966
Name	OJ991213_04.0207.C10.o2.ts	Method	TBLASTX:Soybean
Start	1017	End	1433
GI	none	Score	171
Exons	1017..1178, 1034..1177, 1197..1268, 1389..1433		

Seq. No.	6094	Seq. ID	OJ991213_04.0207.C10
Gene No.	12851	Strand	+
Start	956	End	2966
Name	OJ991213_04.0207.C10.o1.tw	Method	TBLASTX:Wheat
Start	1376	End	1658
GI	none	Score	71
Exons	1376..1438, 1389..1475, 1497..1658, 1503..1640		

Seq. No.	6094	Seq. ID	OJ991213_04.0207.C10
Gene No.	12851	Strand	+
Start	956	End	2966
Name	OJ991213_04.0207.C10.o1.tc	Method	TBLASTX:Cress
Start	1500	End	1769
GI	none	Score	228
Exons	1500..1742, 1500..1769		

Seq. No.	6094	Seq. ID	OJ991213_04.0207.C10
Gene No.	12851	Strand	+
Start	956	End	2966
Name	OJ991213_04.0207.C10.o1.ts	Method	TBLASTX:Soybean
Start	1500	End	2071
GI	none	Score	256
Exons	1500..1742, 1568..1756, 1794..1958, 1826..1969, 1984..2070, 1988..2071		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.gs	Method	GENSCAN
Start	43	End	5222
GI	none	Score	.75
Exons	43..132, 622..804, 1018..1533, 2809..2886, 4059..5222		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.np	Method	AAT/NAP
Start	413	End	1386
GI	4538896	Score	806
Exons	413..1386		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o2.tm	Method	TBLASTX:Maize
Start	1060	End	1458
GI	none	Score	291
Exons	1060..1458, 1108..1233, 1272..1412		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o2.np	Method	AAT/NAP
Start	3781	End	5339
GI	6862923	Score	549
Exons	3781..3842, 4187..5339		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.tm	Method	TBLASTX:Maize
Start	4194	End	9196
GI	none	Score	111
Exons	4194..4343, 4413..4460, 4560..4631, 4674..4952, 4766..4930, 4968..5216, 4968..5237, 8177..8302, 8612..8869, 8617..8871, 8906..9196, 8906..9181		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o3.np	Method	AAT/NAP
Start	4199	End	6301
GI	82523	Score	192
Exons	4199..4226, 5648..5832, 6197..6301		
GI Descrip.	hypothetical 29K protein (trnH-trnV intergenic region) - rice chloroplast gi|12034|emb|CAA33940| (X15901) ORF249 [Oryza sativa] gi|12068|emb|CAA33921| (X15901) ORF249 [Oryza sativa] gi|226655|prf||1603356CF ORF 249 [Oryza sativa]		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.gp	Method	AAT/GAP
Start	4426	End	5144
GI	4880967	Score	1353
Exons	4426..5144		
GI Descrip.	2642158 2.0e-12 (AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.tw	Method	TBLASTX:Wheat
Start	4556	End	8770
GI	none	Score	88
Exons	4556..4621, 4557..4670, 4666..4824, 4668..4823, 4677..4832,		

4769..4831, 8501..8554, 8520..8555, 8521..8556, 8604..8675, 8606..8764, 8617..8769, 8618..8770

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.tc	Method	TBLASTX:Cress
Start	4674	End	8883
GI	none	Score	268
Exons	4674..4958, 8612..8869, 8641..8883		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o1.ts	Method	TBLASTX:Soybean
Start	4674	End	9196
GI	none	Score	266
Exons	4674..4952, 4766..4930, 4968..5258, 8611..8841, 8612..8869, 8906..9196, 8914..9162		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o2.tc	Method	TBLASTX:Cress
Start	4962	End	9196
GI	none	Score	207
Exons	4962..5276, 4965..5204, 4967..5206, 8906..9196, 8906..9130		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o4.np	Method	AAT/NAP
Start	6061	End	9178
GI	4680341	Score	340
Exons	6061..6079, 8510..9178		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o2.gp	Method	AAT/GAP
Start	6870	End	7039
GI	23897_1.R1084	Score	229
Exons	6870..7039		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 5.0e-58 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o3.gp	Method	AAT/GAP
Start	7989	End	8512
GI	uC-osf1M202047c12b1	Score	949
Exons	7989..8512		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	6095	Seq. ID	OJ991213_04.0207.C12
Gene No.	12852	Strand	+
Start	43	End	9235
Name	OJ991213_04.0207.C12.o2.gs	Method	GENSCAN
Start	8075	End	9235
GI	none	Score	.76
Exons	8075..9235		

Seq. No.	6096	Seq. ID	OJ991213_04.0207.C13
Gene No.	12853	Strand	+
Start	377	End	1385
Name	OJ991213_04.0207.C13.o1.gs	Method	GENSCAN
Start	377	End	1385
GI	none	Score	.54
Exons	377..519, 938..1385		

Seq. No.	6096	Seq. ID	OJ991213_04.0207.C13
Gene No.	12854	Strand	-
Start	5716	End	5867
Name	OJ991213_04.0207.C13.o3.gs	Method	GENSCAN
Start	5716	End	5867
GI	none	Score	.53
Exons	5716..5867		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12855	Strand	-
Start	1	End	3936
Name	OJ991213_04.0207.C15.o1.np	Method	AAT/NAP
Start	1	End	3366
GI	6466937	Score	1756
Exons	1..3366		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12855	Strand	-
Start	1	End	3936
Name	OJ991213_04.0207.C15.o2.np	Method	AAT/NAP
Start	1	End	3936
GI	3810596	Score	547
Exons	1..130, 1480..1706, 1776..2751, 2876..3128, 3213..3389, 3573..3726, 3793..3936		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12856	Strand	-
Start	6828	End	8021
Name	OJ991213_04.0207.C15.o3.np	Method	AAT/NAP
Start	6828	End	7999
GI	6862923	Score	573
Exons	6828..7999		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12856	Strand	-
Start	6828	End	8021

Name	OJ991213_04.0207.C15.o4.np	Method	AAT/NAP
Start	6924	End	8021
GI	4680338	Score	452
Exons	6924..8021		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o3.tm	Method	TBLASTX:Maize
Start	4	End	420
GI	none	Score	84
Exons	4..420, 10..189, 14..334		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o3.ts	Method	TBLASTX:Soybean
Start	13	End	396
GI	none	Score	149
Exons	13..396, 14..385		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o2.tw	Method	TBLASTX:Wheat
Start	253	End	648
GI	none	Score	131
Exons	253..648, 266..490		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o5.tm	Method	TBLASTX:Maize
Start	421	End	830
GI	none	Score	61
Exons	421..654, 708..830, 708..830		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o1.tm	Method	TBLASTX:Maize
Start	831	End	1368
GI	none	Score	229
Exons	831..1367, 1051..1368		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o5.ts	Method	TBLASTX:Soybean
Start	831	End	1088
GI	none	Score	200
Exons	831..1088		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530

Name	OJ991213_04.0207.C15.o3.tw	Method	TBLASTX:Wheat
Start	996	End	1397
GI	none	Score	149
Exons	996..1397, 1030..1395		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o2.ts	Method	TBLASTX:Soybean
Start	1110	End	1481
GI	none	Score	112
Exons	1110..1481, 1132..1308, 1170..1475		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o2.tm	Method	TBLASTX:Maize
Start	1392	End	1876
GI	none	Score	167
Exons	1392..1868, 1395..1847, 1411..1863, 1417..1875, 1610..1876		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o1.tw	Method	TBLASTX:Wheat
Start	1446	End	1928
GI	none	Score	211
Exons	1446..1928, 1471..1851		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o2.tc	Method	TBLASTX:Cress
Start	1476	End	1799
GI	none	Score	186
Exons	1476..1799		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o4.ts	Method	TBLASTX:Soybean
Start	1578	End	1893
GI	none	Score	74
Exons	1578..1892, 1639..1893		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o6.tm	Method	TBLASTX:Maize
Start	2142	End	2760
GI	none	Score	72
Exons	2142..2234, 2347..2565, 2360..2536, 2635..2760, 2636..2728		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o4.tm	Method	TBLASTX:Maize

Start	6934	End	10313
GI	none	Score	36
Exons	6934..6996, 7023..7196, 7030..7188, 7206..7460, 7212..7490, 7237..7485, 7527..7592, 7760..7927, 7773..7934, 10203..10313		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o1.ts	Method	TBLASTX:Soybean
Start	6945	End	7490
GI	none	Score	105
Exons	6945..7004, 7023..7196, 7030..7188, 7212..7490, 7239..7457, 7321..7488		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o5.tw	Method	TBLASTX:Wheat
Start	6955	End	7298
GI	none	Score	38
Exons	6955..6996, 7017..7184, 7101..7151, 7236..7298, 7242..7286		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o1.tc	Method	TBLASTX:Cress
Start	7206	End	7494
GI	none	Score	106
Exons	7206..7490, 7243..7494		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o4.tw	Method	TBLASTX:Wheat
Start	7332	End	7592
GI	none	Score	152
Exons	7332..7484, 7333..7494, 7424..7486, 7533..7583, 7533..7592		

Seq. No.	6097	Seq. ID	OJ991213_04.0207.C15
Gene No.	12857	Strand	-
Start	15106	End	15530
Name	OJ991213_04.0207.C15.o2.gs	Method	GENSCAN
Start	15106	End	15530
GI	none	Score	.51
Exons	15106..15171, 15380..15530		

Seq. No.	6098	Seq. ID	OJ991213_04.0207.C16
Gene No.	12858	Strand	+
Start	191	End	296
Name	OJ991213_04.0207.C16.o2.gp	Method	AAT/GAP
Start	191	End	296
GI	5816518	Score	160
Exons	191..296		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6098	Seq. ID	OJ991213_04.0207.C16

Gene No.	12859	Strand	+
Start	5308	End	6008
Name	OJ991213_04.0207.C16.o5.gp	Method	AAT/GAP
Start	5308	End	6008
GI	5816518	Score	157
Exons	5308..5413, 5977..6008		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6098	Seq. ID	OJ991213_04.0207.C16
Gene No.	12860	Strand	-
Start	1	End	7582
Name	OJ991213_04.0207.C16.o1.gp	Method	AAT/GAP
Start	1	End	182
GI	3761181	Score	287
Exons	1..182		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6098	Seq. ID	OJ991213_04.0207.C16
Gene No.	12860	Strand	-
Start	1	End	7582
Name	OJ991213_04.0207.C16.o1.np	Method	AAT/NAP
Start	1	End	7582
GI	5091513	Score	1011
Exons	1..105, 1663..1933, 1968..2173, 2695..2950, 2994..3507, 4253..4718, 7395..7582		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6098	Seq. ID	OJ991213_04.0207.C16
Gene No.	12860	Strand	-
Start	1	End	7582
Name	OJ991213_04.0207.C16.o1.gs	Method	GENSCAN
Start	1374	End	6263
GI	none	Score	.55
Exons	1374..1447, 1667..1774, 1969..2247, 2551..2773, 2820..3588, 4162..4682, 4980..5040, 5831..5888, 6084..6263		

Seq. No.	6098	Seq. ID	OJ991213_04.0207.C16
Gene No.	12860	Strand	-
Start	1	End	7582
Name	OJ991213_04.0207.C16.o4.gp	Method	AAT/GAP
Start	5071	End	5299
GI	3761181	Score	347
Exons	5071..5299		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6099	Seq. ID	OJ991213_04.0207.C17
Gene No.	12861	Strand	+
Start	34	End	827
Name	OJ991213_04.0207.C17.o1.np	Method	AAT/NAP
Start	34	End	827
GI	5091512	Score	940
Exons	34..212, 254..385, 433..827		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	6099	Seq. ID	OJ991213_04.0207.C17
Gene No.	12862	Strand	-
Start	156	End	722
Name	OJ991213_04.0207.C17.o1.gs	Method	GENSCAN
Start	156	End	722
GI	none	Score	.98
Exons	156..722		

Seq. No.	6100	Seq. ID	OJ991213_04.0207.C18
Gene No.	12863	Strand	-
Start	204	End	540
Name	OJ991213_04.0207.C18.o1.gs	Method	GENSCAN
Start	204	End	540
GI	none	Score	.56
Exons	204..540		

Seq. No.	6101	Seq. ID	OJ991103_09.0225.C3
Gene No.	12864	Strand	-
Start	1	End	741
Name	OJ991103_09.0225.C3.o1.np	Method	AAT/NAP
Start	1	End	741
GI	3236253	Score	320
Exons	1..741		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	6101	Seq. ID	OJ991103_09.0225.C3
Gene No.	12864	Strand	-
Start	1	End	741
Name	OJ991103_09.0225.C3.o1.tw	Method	TBLASTX:Wheat
Start	5	End	268
GI	none	Score	168
Exons	5..268, 6..266		

Seq. No.	6101	Seq. ID	OJ991103_09.0225.C3
Gene No.	12864	Strand	-
Start	1	End	741
Name	OJ991103_09.0225.C3.o1.tc	Method	TBLASTX:Cress
Start	25	End	457
GI	none	Score	80
Exons	25..72, 131..265, 135..266, 281..457		

Seq. No.	6101	Seq. ID	OJ991103_09.0225.C3
Gene No.	12864	Strand	-
Start	1	End	741
Name	OJ991103_09.0225.C3.o1.gs	Method	GENSCAN
Start	30	End	634
GI	none	Score	.88
Exons	30..634		

Seq. No.	6101	Seq. ID	OJ991103_09.0225.C3
Gene No.	12864	Strand	-
Start	1	End	741
Name	OJ991103_09.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	125	End	532
GI	none	Score	98

Exons	125..271, 144..281, 148..300, 252..413, 275..481, 289..528, 290..532		
Seq. No.	6102	Seq. ID	OJ991103_09.0225.C4
Gene No.	12865	Strand	+
Start	487	End	1089
Name	OJ991103_09.0225.C4.o1.gs	Method	GENSCAN
Start	487	End	1089
GI	none	Score	.7
Exons	487..697, 791..1089		
Seq. No.	6103	Seq. ID	OJ991103_09.0225.C6
Gene No.	12866	Strand	-
Start	442	End	707
Name	OJ991103_09.0225.C6.o1.np	Method	AAT/NAP
Start	442	End	707
GI	3193290	Score	107
Exons	442..707		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 165.48), to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 125.64) and legume lectins alpha domain (Pfam: lectin_legA.hmm, score: 16.72) [Arabido...		
Seq. No.	6103	Seq. ID	OJ991103_09.0225.C6
Gene No.	12866	Strand	-
Start	442	End	707
Name	OJ991103_09.0225.C6.o1.gs	Method	GENSCAN
Start	450	End	621
GI	none	Score	.45
Exons	450..621		
Seq. No.	6103	Seq. ID	OJ991103_09.0225.C6
Gene No.	12866	Strand	-
Start	442	End	707
Name	OJ991103_09.0225.C6.o1.tm	Method	TBLASTX:Maize
Start	520	End	705
GI	none	Score	79
Exons	520..705, 529..690		
Seq. No.	6104	Seq. ID	OJ991103_09.0225.C7
Gene No.	12867	Strand	+
Start	106	End	543
Name	OJ991103_09.0225.C7.o1.np	Method	AAT/NAP
Start	106	End	543
GI	6539570	Score	213
Exons	106..299, 489..543		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	6104	Seq. ID	OJ991103_09.0225.C7
Gene No.	12867	Strand	+
Start	106	End	543
Name	OJ991103_09.0225.C7.o1.gs	Method	GENSCAN
Start	139	End	329
GI	none	Score	.47
Exons	139..329		
Seq. No.	6105	Seq. ID	OJ991103_09.0225.C8

Gene No.	12868	Strand	+
Start	64	End	324
Name	OJ991103_09.0225.C8.o1.gs	Method	GENSCAN
Start	64	End	324
GI	none	Score	.72
Exons	64..152, 245..324		

Seq. No.	6106	Seq. ID	OJ991103_09.0225.C9
Gene No.	12869	Strand	+
Start	132	End	440
Name	OJ991103_09.0225.C9.o1.gs	Method	GENSCAN
Start	132	End	440
GI	none	Score	.42
Exons	132..440		

Seq. No.	6107	Seq. ID	OJ991103_09.0225.C11
Gene No.	12870	Strand	-
Start	1	End	733
Name	OJ991103_09.0225.C11.o1.np	Method	AAT/NAP
Start	1	End	733
GI	4206306	Score	274
Exons	1..733		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	6107	Seq. ID	OJ991103_09.0225.C11
Gene No.	12870	Strand	-
Start	1	End	733
Name	OJ991103_09.0225.C11.o1.ts	Method	TBLASTX:Soybean
Start	3	End	333
GI	none	Score	61
Exons	3..158, 73..159, 189..332, 199..333		

Seq. No.	6107	Seq. ID	OJ991103_09.0225.C11
Gene No.	12870	Strand	-
Start	1	End	733
Name	OJ991103_09.0225.C11.o1.gs	Method	GENSCAN
Start	439	End	661
GI	none	Score	.93
Exons	439..661		

Seq. No.	6108	Seq. ID	OJ991103_09.0225.C12
Gene No.	12871	Strand	+
Start	4941	End	5322
Name	OJ991103_09.0225.C12.o2.gp	Method	AAT/GAP
Start	4941	End	5322
GI	uC-osflcyp033a04b1	Score	647
Exons	4941..5322		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6108	Seq. ID	OJ991103_09.0225.C12
Gene No.	12872	Strand	-
Start	1	End	8810
Name	OJ991103_09.0225.C12.o2.np	Method	AAT/NAP
Start	1	End	8810
GI	5852180	Score	545
Exons	1..56, 3603..4015, 4067..4191, 5171..5224, 8780..8810		

GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	6108	Seq. ID	OJ991103_09.0225.C12
Gene No.	12872	Strand	-
Start	1	End	8810
Name	OJ991103_09.0225.C12.o1.gs	Method	GENSCAN
Start	708	End	3848
GI	none	Score	.45
Exons	708..902, 990..1010, 1104..1337, 1625..2597, 3601..3848		

Seq. No.	6108	Seq. ID	OJ991103_09.0225.C12
Gene No.	12872	Strand	-
Start	1	End	8810
Name	OJ991103_09.0225.C12.o1.tm	Method	TBLASTX:Maize
Start	2024	End	2392
GI	none	Score	69
Exons	2024..2242, 2121..2237, 2267..2392, 2268..2375		

Seq. No.	6108	Seq. ID	OJ991103_09.0225.C12
Gene No.	12872	Strand	-
Start	1	End	8810
Name	OJ991103_09.0225.C12.o3.np	Method	AAT/NAP
Start	2767	End	7556
GI	4263543	Score	55
Exons	2767..2887, 6041..6209, 7530..7556		
GI Descrip.	(AC006250) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	6108	Seq. ID	OJ991103_09.0225.C12
Gene No.	12872	Strand	-
Start	1	End	8810
Name	OJ991103_09.0225.C12.o2.gs	Method	GENSCAN
Start	4871	End	7384
GI	none	Score	.85
Exons	4871..4983, 5171..5224, 6268..7384		

Seq. No.	6109	Seq. ID	OJ991103_09.0225.C13
Gene No.	12873	Strand	+
Start	908	End	4704
Name	OJ991103_09.0225.C13.o1.gs	Method	GENSCAN
Start	908	End	4704
GI	none	Score	.7
Exons	908..1040, 1084..1195, 2891..2925, 3301..3378, 3506..3536, 4589..4704		

Seq. No.	6109	Seq. ID	OJ991103_09.0225.C13
Gene No.	12874	Strand	+
Start	9996	End	10207
Name	OJ991103_09.0225.C13.o3.gs	Method	GENSCAN
Start	9996	End	10207
GI	none	Score	.59
Exons	9996..10021, 10039..10207		

Seq. No.	6109	Seq. ID	OJ991103_09.0225.C13
Gene No.	12875	Strand	-
Start	6149	End	8458
Name	OJ991103_09.0225.C13.o2.gs	Method	GENSCAN

Start	6149	End	8458
GI	none	Score	.82
Exons	6149..8458		

Seq. No.	6109	Seq. ID	OJ991103_09.0225.C13
Gene No.	12876	Strand	-
Start	11404	End	13518
Name	OJ991103_09.0225.C13.o1.tm	Method	TBLASTX:Maize
Start	7892	End	8374
GI	none	Score	77
Exons	7892..8056, 8057..8215, 8061..8213, 8255..8374		

Seq. No.	6109	Seq. ID	OJ991103_09.0225.C13
Gene No.	12876	Strand	-
Start	11404	End	13518
Name	OJ991103_09.0225.C13.o4.gs	Method	GENSCAN
Start	11404	End	13518
GI	none	Score	.71
Exons	11404..11583, 11876..11948, 12049..12117, 12249..12422, 13000..13174, 13188..13518		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12877	Strand	+
Start	37	End	987
Name	OJ991103_09.0225.C14.o1.gs	Method	GENSCAN
Start	37	End	987
GI	none	Score	.9
Exons	37..91, 818..987		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o2.gs	Method	GENSCAN
Start	1272	End	5632
GI	none	Score	.5
Exons	1272..1362, 2583..3268, 3450..4551, 4612..4922, 5058..5230, 5344..5632		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o3.np	Method	AAT/NAP
Start	2096	End	5057
GI	6742729	Score	2582
Exons	2096..2122, 3370..5057		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o1.gp	Method	AAT/GAP
Start	3372	End	5866
GI	342_1.R1084	Score	3985
Exons	3372..5866		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o1.tw	Method	TBLASTX:Wheat
Start	3375	End	3935
GI	none	Score	475
Exons	3375..3929, 3385..3897, 3750..3935		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o2.tc	Method	TBLASTX:Cress
Start	3375	End	3646
GI	none	Score	252
Exons	3375..3638, 3385..3642, 3385..3642, 3464..3646		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o2.tm	Method	TBLASTX:Maize
Start	3538	End	4016
GI	none	Score	78
Exons	3538..3747, 3540..4016		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o3.tw	Method	TBLASTX:Wheat
Start	3936	End	4341
GI	none	Score	54
Exons	3936..4016, 3937..4017, 4050..4268, 4050..4292, 4096..4272, 4278..4340, 4291..4341		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o2.ts	Method	TBLASTX:Soybean
Start	4374	End	4604
GI	none	Score	197
Exons	4374..4604		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o1.tm	Method	TBLASTX:Maize
Start	4446	End	4904
GI	none	Score	100
Exons	4446..4637, 4650..4904, 4650..4892		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o2.tw	Method	TBLASTX:Wheat
Start	4480	End	4949
GI	none	Score	157
Exons	4480..4686, 4485..4709, 4687..4779, 4689..4784, 4689..4787, 4773..4895, 4791..4895, 4795..4896, 4893..4949, 4897..4941		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o1.tc	Method	TBLASTX:Cress
Start	4737	End	5085
GI	none	Score	87
Exons	4737..5078, 4740..4922, 4933..5085		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o1.ts	Method	TBLASTX:Soybean
Start	4818	End	5247
GI	none	Score	94
Exons	4818..5111, 4831..5082, 5161..5247, 5172..5246		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o4.tw	Method	TBLASTX:Wheat
Start	5163	End	5532
GI	none	Score	92
Exons	5163..5321, 5176..5313, 5184..5333, 5185..5331, 5271..5420, 5320..5409, 5330..5428, 5387..5512, 5425..5532		

Seq. No.	6110	Seq. ID	OJ991103_09.0225.C14
Gene No.	12878	Strand	-
Start	1272	End	5870
Name	OJ991103_09.0225.C14.o4.np	Method	AAT/NAP
Start	5540	End	5870
GI	5852182	Score	418
Exons	5540..5870		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6111	Seq. ID	OJ991103_09.0225.C15
Gene No.	12879	Strand	-
Start	2359	End	2666
Name	OJ991103_09.0225.C15.o1.gp	Method	AAT/GAP
Start	2359	End	2666
GI	61605_3.R1084	Score	439
Exons	2359..2666		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	6111	Seq. ID	OJ991103_09.0225.C15
Gene No.	12880	Strand	-
Start	3048	End	8508
Name	OJ991103_09.0225.C15.o1.np	Method	AAT/NAP
Start	3048	End	7480
GI	6063554	Score	270
Exons	3048..3223, 3865..3892, 4362..4598, 4716..4913, 7436..7480		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6111	Seq. ID	OJ991103_09.0225.C15

Gene No.	12880	Strand	-
Start	3048	End	8508
Name	OJ991103_09.0225.C15.o2.gp	Method	AAT/GAP
Start	3669	End	4398
GI	101153_1.R1084	Score	414
Exons	3669..3892, 4362..4398		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6111	Seq. ID	OJ991103_09.0225.C15
Gene No.	12880	Strand	-
Start	3048	End	8508
Name	OJ991103_09.0225.C15.o2.gs	Method	GENSCAN
Start	5567	End	8508
GI	none	Score	.49
Exons	5567..5794, 7047..7194, 7222..7314, 8425..8508		

Seq. No.	6111	Seq. ID	OJ991103_09.0225.C15
Gene No.	12881	Strand	-
Start	9211	End	9272
Name	OJ991103_09.0225.C15.o3.gp	Method	AAT/GAP
Start	9211	End	9272
GI	5003807	Score	70
Exons	9211..9272		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12882	Strand	+
Start	206	End	545
Name	OJ991103_09.0225.C16.o1.gs	Method	GENSCAN
Start	206	End	545
GI	none	Score	.96
Exons	206..446, 528..545		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12883	Strand	-
Start	57	End	470
Name	OJ991103_09.0225.C16.o1.gp	Method	AAT/GAP
Start	57	End	470
GI	700098	Score	435
Exons	57..192, 340..470		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o2.gs	Method	GENSCAN
Start	810	End	2192
GI	none	Score	.49
Exons	810..862, 912..1103, 1176..1431, 2044..2192		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o1.np	Method	AAT/NAP
Start	916	End	2810
GI	4539660	Score	1894
Exons	916..2810		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o4.tw	Method	TBLASTX:Wheat
Start	926	End	1260
GI	none	Score	99
Exons	926..1249, 928..1260		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o5.tm	Method	TBLASTX:Maize
Start	952	End	1167
GI	none	Score	79
Exons	952..1167, 959..1165		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o1.tm	Method	TBLASTX:Maize
Start	1168	End	1600
GI	none	Score	185
Exons	1168..1596, 1168..1599, 1406..1600		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o1.tw	Method	TBLASTX:Wheat
Start	1261	End	1887
GI	none	Score	182
Exons	1261..1887, 1442..1882		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o4.tm	Method	TBLASTX:Maize
Start	1611	End	1827
GI	none	Score	73
Exons	1611..1712, 1612..1827, 1613..1804		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o1.ts	Method	TBLASTX:Soybean
Start	1735	End	2109
GI	none	Score	56
Exons	1735..1914, 1736..1807, 1826..1906, 1892..2095, 1930..2109		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o3.tm	Method	TBLASTX:Maize
Start	1828	End	2247
GI	none	Score	98
Exons	1828..2247, 1841..1978, 1855..2040, 2018..2245		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o3.tw	Method	TBLASTX:Wheat
Start	1894	End	2352
GI	none	Score	219
Exons	1894..2352, 1895..2269		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o2.tm	Method	TBLASTX:Maize
Start	2450	End	2808
GI	none	Score	281
Exons	2450..2806, 2452..2808, 2497..2808		

Seq. No.	6112	Seq. ID	OJ991103_09.0225.C16
Gene No.	12884	Strand	-
Start	810	End	2810
Name	OJ991103_09.0225.C16.o2.tw	Method	TBLASTX:Wheat
Start	2452	End	2805
GI	none	Score	47
Exons	2452..2805, 2453..2491, 2510..2800		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12885	Strand	+
Start	4328	End	5003
Name	OJ991103_09.0225.C17.o2.gs	Method	GENSCAN
Start	4328	End	5003
GI	none	Score	.77
Exons	4328..4356, 4751..5003		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o1.np	Method	AAT/NAP
Start	1	End	2812
GI	4680179	Score	1274
Exons	1..864, 892..1384, 1670..2648, 2683..2812		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o1.ts	Method	TBLASTX:Soybean
Start	3	End	11100
GI	none	Score	165
Exons	3..281, 17..283, 10877..11038, 11044..11100		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o3.tw	Method	TBLASTX:Wheat
Start	3	End	208
GI	none	Score	121
Exons	3..173, 14..208		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o3.tm	Method	TBLASTX:Maize
Start	38	End	206
GI	none	Score	84
Exons	38..205, 50..202, 72..206		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o1.tm	Method	TBLASTX:Maize
Start	206	End	11598
GI	none	Score	122
Exons	206..631, 240..689, 11212..11346, 11229..11354, 11350..11598		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o1.tw	Method	TBLASTX:Wheat
Start	260	End	11628
GI	none	Score	262
Exons	260..631, 264..674, 692..742, 11229..11354, 11356..11628, 11363..11551		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o2.np	Method	AAT/NAP
Start	1543	End	5880
GI	6539553	Score	827
Exons	1543..1770, 2494..2616, 5334..5880		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o1.gp	Method	AAT/GAP
Start	3398	End	5021
GI	5003807	Score	709
Exons	3398..3524, 4001..4054, 4654..4737, 4885..5021		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o3.gs	Method	GENSCAN
Start	5371	End	6940
GI	none	Score	.43
Exons	5371..5896, 5993..6196, 6389..6408, 6920..6940		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o2.tm	Method	TBLASTX:Maize

Start	5438	End	5751
GI	none	Score	265
Exons	5438..5728, 5440..5751, 5443..5733		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o2.tw	Method	TBLASTX:Wheat
Start	5500	End	5886
GI	none	Score	217
Exons	5500..5886, 5501..5875		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o5.np	Method	AAT/NAP
Start	6648	End	10903
GI	2832637	Score	62
Exons	6648..6695, 9448..9657, 10855..10903		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o6.np	Method	AAT/NAP
Start	7885	End	11733
GI	6466937	Score	540
Exons	7885..7979, 10664..11733		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o4.gs	Method	GENSCAN
Start	9345	End	11687
GI	none	Score	.66
Exons	9345..9531, 10726..10829, 10877..10956, 10973..11383, 11550..11687		

Seq. No.	6113	Seq. ID	OJ991103_09.0225.C17
Gene No.	12886	Strand	-
Start	1	End	11733
Name	OJ991103_09.0225.C17.o4.tm	Method	TBLASTX:Maize
Start	9511	End	9812
GI	none	Score	132
Exons	9511..9672, 9511..9690, 9518..9679, 9726..9812		

Seq. No.	6114	Seq. ID	OJ991103_09.0225.C18
Gene No.	12887	Strand	-
Start	124	End	708
Name	OJ991103_09.0225.C18.o1.gs	Method	GENSCAN
Start	124	End	708
GI	none	Score	.54
Exons	124..315, 481..708		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19

Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o1.np	Method	AAT/NAP
Start	1	End	1598
GI	4544372	Score	610
Exons	1..34, 355..1598		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o1.tm	Method	TBLASTX:Maize
Start	414	End	767
GI	none	Score	214
Exons	414..767		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o2.ts	Method	TBLASTX:Soybean
Start	621	End	1016
GI	none	Score	239
Exons	621..1016, 722..916		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o2.tw	Method	TBLASTX:Wheat
Start	777	End	1136
GI	none	Score	169
Exons	777..1136		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o1.tw	Method	TBLASTX:Wheat
Start	1167	End	1583
GI	none	Score	91
Exons	1167..1307, 1184..1327, 1359..1583		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o1.ts	Method	TBLASTX:Soybean
Start	1359	End	1604
GI	none	Score	242
Exons	1359..1604, 1403..1489, 1559..1600		

Seq. No.	6115	Seq. ID	OJ991103_09.0225.C19
Gene No.	12888	Strand	+
Start	1	End	1622
Name	OJ991103_09.0225.C19.o2.tm	Method	TBLASTX:Maize
Start	1377	End	1622
GI	none	Score	97
Exons	1377..1454, 1427..1492, 1440..1508, 1506..1616, 1524..1622		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o1.np	Method	AAT/NAP
Start	1136	End	11965
GI	6175157	Score	321
Exons	1136..1170, 3038..3645, 5610..5720, 5775..6057, 11938..11965		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o2.gs	Method	GENSCAN
Start	3006	End	9176
GI	none	Score	.52
Exons	3006..3645, 4599..4809, 4852..5174, 5610..6147, 7110..7163, 8279..8375, 8430..9176		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o1.tc	Method	TBLASTX:Cress
Start	3117	End	6013
GI	none	Score	172
Exons	3117..3266, 3339..3395, 3411..3647, 5642..5722, 5765..6013		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o1.tm	Method	TBLASTX:Maize
Start	3123	End	9081
GI	none	Score	92
Exons	3123..3266, 3339..3392, 3400..3618, 3408..3653, 5639..5707, 5759..5950, 8947..8991, 8974..9045, 9037..9081		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o1.ts	Method	TBLASTX:Soybean
Start	3339	End	6001
GI	none	Score	100
Exons	3339..3392, 3399..3653, 3412..3660, 5771..5887, 5906..6001		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o1.tw	Method	TBLASTX:Wheat
Start	3339	End	3647
GI	none	Score	184
Exons	3339..3389, 3429..3647		

Seq. No.	6116	Seq. ID	OJ991103_09.0225.C20
Gene No.	12889	Strand	-
Start	1136	End	11965
Name	OJ991103_09.0225.C20.o3.gs	Method	GENSCAN
Start	10165	End	11123
GI	none	Score	.76

Exons	10165..10223, 10904..11123		
Seq. No.	6117	Seq. ID	OJ991103_09.0225.C21
Gene No.	12890	Strand	+
Start	45	End	1168
Name	OJ991103_09.0225.C21.o1.gs	Method	GENSCAN
Start	45	End	1168
GI	none	Score	.48
Exons	45..113, 816..1095, 1122..1168		
Seq. No.	6117	Seq. ID	OJ991103_09.0225.C21
Gene No.	12891	Strand	-
Start	1742	End	2208
Name	OJ991103_09.0225.C21.o1.gp	Method	AAT/GAP
Start	1742	End	2208
GI	LIB3432-059-P1-K1-D8	Score	718
Exons	1742..2208		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	6117	Seq. ID	OJ991103_09.0225.C21
Gene No.	12892	Strand	-
Start	2222	End	5434
Name	OJ991103_09.0225.C21.o2.gp	Method	AAT/GAP
Start	2222	End	4734
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	2222..2276, 4687..4734		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	6117	Seq. ID	OJ991103_09.0225.C21
Gene No.	12892	Strand	-
Start	2222	End	5434
Name	OJ991103_09.0225.C21.o2.gs	Method	GENSCAN
Start	4440	End	5434
GI	none	Score	.43
Exons	4440..4497, 4763..4832, 5362..5434		
Seq. No.	6118	Seq. ID	OJ991103_09.0225.C22
Gene No.	12893	Strand	+
Start	742	End	822
Name	OJ991103_09.0225.C22.o1.gp	Method	AAT/GAP
Start	742	End	822
GI	LIB3477-003-P1-K1-E9	Score	79
Exons	742..822		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	6118	Seq. ID	OJ991103_09.0225.C22
Gene No.	12894	Strand	+
Start	2881	End	6824
Name	OJ991103_09.0225.C22.o1.np	Method	AAT/NAP
Start	2881	End	6824
GI	2832637	Score	104
Exons	2881..2912, 4094..4460, 6745..6824		

GI Descrip. (AL021711) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6118	Seq. ID	OJ991103_09.0225.C22
Gene No.	12895	Strand	-
Start	1287	End	1409
Name	OJ991103_09.0225.C22.o2.gp	Method	AAT/GAP
Start	1287	End	1409
GI	none	Score	188
Exons	1287..1409		

Seq. No.	6118	Seq. ID	OJ991103_09.0225.C22
Gene No.	12896	Strand	-
Start	5905	End	6325
Name	OJ991103_09.0225.C22.o1.tm	Method	TBLASTX:Maize
Start	3977	End	4327
GI	none	Score	221
Exons	3977..4327, 3991..4290		

Seq. No.	6118	Seq. ID	OJ991103_09.0225.C22
Gene No.	12896	Strand	-
Start	5905	End	6325
Name	OJ991103_09.0225.C22.o2.gs	Method	GENSCAN
Start	5905	End	6325
GI	none	Score	.79
Exons	5905..5928, 6299..6325		

Seq. No.	6119	Seq. ID	OJ990613_36.0204.C1
Gene No.	12897	Strand	-
Start	79	End	478
Name	OJ990613_36.0204.C1.o1.gs	Method	GENSCAN
Start	79	End	478
GI	none	Score	.59
Exons	79..295, 364..478		

Seq. No.	6120	Seq. ID	OJ990613_36.0204.C2
Gene No.	12898	Strand	+
Start	5	End	404
Name	OJ990613_36.0204.C2.o1.np	Method	AAT/NAP
Start	5	End	396
GI	2586123	Score	242
Exons	5..67, 96..396		

GI Descrip. (U89511) b-keto acyl reductase [Allium porrum]

Seq. No.	6120	Seq. ID	OJ990613_36.0204.C2
Gene No.	12898	Strand	+
Start	5	End	404
Name	OJ990613_36.0204.C2.o1.gs	Method	GENSCAN
Start	79	End	394
GI	none	Score	.95
Exons	79..394		

Seq. No.	6120	Seq. ID	OJ990613_36.0204.C2
Gene No.	12898	Strand	+
Start	5	End	404
Name	OJ990613_36.0204.C2.o1.tm	Method	TBLASTX:Maize
Start	83	End	404
GI	none	Score	227

Exons	83..367, 87..404, 351..404		
Seq. No.	6120	Seq. ID	OJ990613_36.0204.C2
Gene No.	12898	Strand	+
Start	5	End	404
Name	OJ990613_36.0204.C2.o1.ts	Method	TBLASTX:Soybean
Start	141	End	395
GI	none	Score	183
Exons	141..395		
Seq. No.	6121	Seq. ID	OJ990613_36.0204.C4
Gene No.	12899	Strand	-
Start	195	End	253
Name	OJ990613_36.0204.C4.o1.gs	Method	GENSCAN
Start	195	End	253
GI	none	Score	.95
Exons	195..253		
Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12900	Strand	+
Start	322	End	534
Name	OJ990613_36.0204.C5.o1.gp	Method	AAT/GAP
Start	322	End	534
GI	LIB3477-003-P1-K1-E9	Score	100
Exons	322..356, 460..534		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12901	Strand	+
Start	9572	End	11348
Name	OJ990613_36.0204.C5.o3.gs	Method	GENSCAN
Start	9572	End	11348
GI	none	Score	.72
Exons	9572..9640, 9874..10078, 10127..10383, 11259..11348		
Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12901	Strand	+
Start	9572	End	11348
Name	OJ990613_36.0204.C5.o2.gp	Method	AAT/GAP
Start	10100	End	10450
GI	86158_1.R1084	Score	553
Exons	10100..10450		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		
Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12901	Strand	+
Start	9572	End	11348
Name	OJ990613_36.0204.C5.o3.gp	Method	AAT/GAP
Start	10100	End	10450
GI	86158_1.R1084	Score	555
Exons	10100..10450		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12902	Strand	+
Start	13853	End	15917
Name	OJ990613_36.0204.C5.o4.gs	Method	GENSCAN
Start	13853	End	15917
GI	none	Score	.48
Exons	13853..13911, 13959..14018, 14097..14205, 14335..14460, 15509..15573, 15669..15706, 15712..15917		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12903	Strand	+
Start	22811	End	24181
Name	OJ990613_36.0204.C5.o6.gs	Method	GENSCAN
Start	22811	End	24181
GI	none	Score	.8
Exons	22811..22932, 24052..24181		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12904	Strand	+
Start	27774	End	34461
Name	OJ990613_36.0204.C5.o8.gs	Method	GENSCAN
Start	27774	End	33287
GI	none	Score	.61
Exons	27774..28047, 28971..29080, 29343..29404, 30256..30617, 31038..31252, 32041..32074, 32128..32492, 32536..32638, 33223..33287		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12904	Strand	+
Start	27774	End	34461
Name	OJ990613_36.0204.C5.o4.gp	Method	AAT/GAP
Start	27817	End	29209
GI	762_3.R1084	Score	834
Exons	27817..28047, 28997..29209		
GI Descrip.	'2130089/pir||S65042 6.0e-23 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12904	Strand	+
Start	27774	End	34461
Name	OJ990613_36.0204.C5.o2.np	Method	AAT/NAP
Start	27898	End	31399
GI	2130089	Score	1226
Exons	27898..28047, 28997..29080, 29343..29404, 30256..30617, 31038..31252, 31346..31399		
GI Descrip.	2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet gi|1100743|dbj|BAA08105| (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12904	Strand	+
Start	27774	End	34461
Name	OJ990613_36.0204.C5.o3.np	Method	AAT/NAP
Start	28790	End	34461
GI	6069646	Score	167

Exons	28790..28826, 32093..32484, 34417..34461		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12904	Strand	+
Start	27774	End	34461
Name	OJ990613_36.0204.C5.o5.gp	Method	AAT/GAP
Start	29810	End	31231
GI	762_1.R1084	Score	1036
Exons	29810..29858, 30232..30617, 31038..31231		
GI Descrip.	'2130089/pir||S65042 1.0e-152 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'		
Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12904	Strand	+
Start	27774	End	34461
Name	OJ990613_36.0204.C5.o6.gp	Method	AAT/GAP
Start	30230	End	31651
GI	762_1.R1084	Score	1640
Exons	30230..30617, 31038..31252, 31346..31651		
GI Descrip.	'2130089/pir||S65042 1.0e-152 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'		
Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12904	Strand	+
Start	27774	End	34461
Name	OJ990613_36.0204.C5.o7.gp	Method	AAT/GAP
Start	30323	End	31673
GI	762_1.R1084	Score	1542
Exons	30323..30617, 31038..31252, 31346..31673		
GI Descrip.	'2130089/pir||S65042 1.0e-152 2-oxoglutarate/malate translocator (clone OMT103), mitochondrial membrane - proso millet >gi_1100743_dbj_BAA08105_ (D45075) 2-oxoglutarate/malate translocator [Panicum miliaceum]'		
Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12904	Strand	+
Start	27774	End	34461
Name	OJ990613_36.0204.C5.o8.gp	Method	AAT/GAP
Start	31988	End	32378
GI	3135538	Score	696
Exons	31988..32378		
Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12905	Strand	+
Start	42658	End	54173
Name	OJ990613_36.0204.C5.o9.gp	Method	AAT/GAP
Start	42628	End	42986
GI	63612_1.R1084	Score	663

Exons	42628..42986		
GI Descrip.	'2586127 5.0e-18 (U89510) b-keto acyl reductase [Hordeum vulgare]'		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12905	Strand	+
Start	42658	End	54173
Name	OJ990613_36.0204.C5.o11.gs	Method	GENSCAN
Start	42658	End	45928
GI	none	Score	.82
Exons	42658..43343, 45200..45222, 45465..45928		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12905	Strand	+
Start	42658	End	54173
Name	OJ990613_36.0204.C5.o6.np	Method	AAT/NAP
Start	42673	End	50320
GI	2586127	Score	780
Exons	42673..43343, 48447..48516, 50072..50320		
GI Descrip.	(U89510) b-keto acyl reductase [Hordeum vulgare]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12905	Strand	+
Start	42658	End	54173
Name	OJ990613_36.0204.C5.o13.gs	Method	GENSCAN
Start	50096	End	54173
GI	none	Score	.4
Exons	50096..50309, 51346..51369, 51472..51508, 52729..52933, 53277..53412, 53449..53559, 53667..53810, 54016..54173		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12906	Strand	+
Start	55122	End	55286
Name	OJ990613_36.0204.C5.o14.gs	Method	GENSCAN
Start	55122	End	55286
GI	none	Score	.59
Exons	55122..55286		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12907	Strand	+
Start	72784	End	75880
Name	OJ990613_36.0204.C5.o10.np	Method	AAT/NAP
Start	72763	End	75880
GI	3482916	Score	1127
Exons	72763..74636, 75850..75880		
GI Descrip.	(AC003970) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12907	Strand	+
Start	72784	End	75880
Name	OJ990613_36.0204.C5.o18.gs	Method	GENSCAN
Start	72784	End	74652
GI	none	Score	.99
Exons	72784..74652		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12908	Strand	-

Start	826	End	6163
Name	OJ990613_36.0204.C5.o1.np	Method	AAT/NAP
Start	826	End	6163
GI	584892	Score	329
Exons	826..941, 1047..1207, 1287..1432, 1532..1589, 5398..5442, 6088..6163		
GI Descrip.	SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) gi|629805|pir||S43516 serine carboxypeptidase I - rice gi|409580|dbj|BAA04510.1| (D17586) serine carboxypeptidase I [Oryza sativa]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12909	Strand	-
Start	7110	End	7688
Name	OJ990613_36.0204.C5.o2.gs	Method	GENSCAN
Start	7110	End	7688
GI	none	Score	.79
Exons	7110..7214, 7500..7688		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12910	Strand	-
Start	18241	End	18726
Name	OJ990613_36.0204.C5.o5.gs	Method	GENSCAN
Start	18241	End	18726
GI	none	Score	.54
Exons	18241..18726		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12911	Strand	-
Start	26044	End	26332
Name	OJ990613_36.0204.C5.o7.gs	Method	GENSCAN
Start	26044	End	26332
GI	none	Score	.62
Exons	26044..26204, 26260..26332		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12912	Strand	-
Start	33857	End	34009
Name	OJ990613_36.0204.C5.o9.gs	Method	GENSCAN
Start	33857	End	34009
GI	none	Score	.92
Exons	33857..34009		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12913	Strand	-
Start	37335	End	39567
Name	OJ990613_36.0204.C5.o5.np	Method	AAT/NAP
Start	37335	End	39567
GI	2213632	Score	567
Exons	37335..37375, 38493..38626, 38882..39567		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12914	Strand	-
Start	48570	End	49404
Name	OJ990613_36.0204.C5.o12.gs	Method	GENSCAN
Start	48570	End	49404

GI	none	Score	.84
Exons	48570..48695, 48766..48918, 49054..49404		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12915	Strand	-
Start	52361	End	55804
Name	OJ990613_36.0204.C5.o7.np	Method	AAT/NAP
Start	52361	End	55804
GI	5902444	Score	820
Exons	52361..53609, 55758..55804		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12916	Strand	-
Start	56422	End	65849
Name	OJ990613_36.0204.C5.o15.gs	Method	GENSCAN
Start	56422	End	65781
GI	none	Score	.75
Exons	56422..56612, 56642..56736, 56794..57073, 58036..58060, 58644..58689, 58816..58929, 59245..59366, 59470..59541, 60773..60922, 64368..64503, 64569..64713, 64872..64974, 65088..65287, 65354..65499, 65603..65781		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12916	Strand	-
Start	56422	End	65849
Name	OJ990613_36.0204.C5.o8.np	Method	AAT/NAP
Start	56519	End	57042
GI	4895198	Score	232
Exons	56519..56556, 56642..56740, 56829..57042		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12916	Strand	-
Start	56422	End	65849
Name	OJ990613_36.0204.C5.o10.gp	Method	AAT/GAP
Start	57889	End	61058
GI	15766_1.R1084	Score	1391
Exons	57889..58215, 58644..58689, 58816..58929, 59245..59366, 59470..59541, 60773..60870, 61037..61058		
GI Descrip.	'3169175/gb|AAC17818.1| 2.0e-36 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana]'		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12916	Strand	-
Start	56422	End	65849
Name	OJ990613_36.0204.C5.o9.np	Method	AAT/NAP
Start	58135	End	65727
GI	6119535	Score	722
Exons	58135..58215, 58644..58689, 58816..58929, 59245..59366, 59470..59600, 64358..64439, 64554..64675, 64839..64974, 65088..65287, 65354..65499, 65603..65727		
GI Descrip.	(AC011560) putative glucose acyltransferase [Arabidopsis thaliana]		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12916	Strand	-

Start	56422	End	65849
Name	OJ990613_36.0204.C5.o11.gp	Method	AAT/GAP
Start	64599	End	64991
GI	none	Score	317
Exons	64599..64670, 64744..64781, 64872..64991		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12916	Strand	-
Start	56422	End	65849
Name	OJ990613_36.0204.C5.o12.gp	Method	AAT/GAP
Start	65113	End	65849
GI	25125_1.R1084	Score	999
Exons	65113..65287, 65354..65499, 65603..65849		
GI Descrip.	'3169174/gb|AAC17817.1| 4.0e-30 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana]'		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o3.tm	Method	TBLASTX:Maize
Start	791	End	65468
GI	none	Score	92
Exons	791..904, 795..911, 798..911, 799..912, 1008..1121, 1012..1143, 1014..1217, 1162..1209, 1285..1353, 1286..1354, 1357..1401, 1372..1401, 58132..58218, 58145..58222, 58644..58688, 58813..58959, 58813..58926, 58815..58940, 59217..59252, 59245..59373, 59247..59366, 59470..59541, 59471..59530, 64365..64454, 64553..64672, 64560..64676, 64585..64671, 64868..64981, 64870..64980, 65088..65288, 65122..65289, 65352..65420, 65353..65421, 65424..65468		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o2.tc	Method	TBLASTX:Cress
Start	798	End	65667
GI	none	Score	71
Exons	798..923, 1032..1217, 1078..1209, 1285..1431, 1286..1366, 1531..1584, 64569..64673, 64867..64980, 65088..65288, 65158..65295, 65352..65498, 65353..65433, 65602..65667		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o3.ts	Method	TBLASTX:Soybean
Start	798	End	65667
GI	none	Score	65
Exons	798..923, 826..903, 1035..1217, 1078..1209, 1285..1431, 1286..1366, 1531..1584, 64569..64673, 64862..64990, 64870..65013, 64892..65011, 65088..65288, 65158..65295, 65352..65498, 65353..65433, 65602..65667		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o8.tw	Method	TBLASTX:Wheat
Start	801	End	65262

GI	none	Score	62
Exons	801..944, 802..933, 1015..1170, 1053..1181, 64575..64676, 64873..64977, 65088..65261, 65134..65262		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o1.ts	Method	TBLASTX:Soybean
Start	27955	End	31147
GI	none	Score	73
Exons	27955..27999, 27957..27998, 27979..28050, 27982..28053, 28988..29080, 28996..29085, 29340..29411, 29342..29404, 30242..30619, 30247..30552, 30269..30610, 30348..30623, 31031..31147, 31036..31146		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o1.tc	Method	TBLASTX:Cress
Start	27960	End	31402
GI	none	Score	152
Exons	27960..28055, 27961..28053, 28952..29083, 28988..29080, 29340..29411, 29342..29410, 30242..30487, 30247..30417, 30488..30619, 30490..30552, 31031..31072, 31045..31257, 31071..31238, 31076..31255, 31340..31402		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o2.tm	Method	TBLASTX:Maize
Start	27967	End	31405
GI	none	Score	135
Exons	27967..28053, 27969..28055, 28988..29080, 28990..29085, 29340..29405, 29342..29404, 30242..30619, 30248..30610, 31024..31251, 31031..31255, 31036..31257, 31339..31395, 31340..31405		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o1.tw	Method	TBLASTX:Wheat
Start	31022	End	31408
GI	none	Score	372
Exons	31022..31264, 31022..31255, 31030..31257, 31042..31266, 31340..31408		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o4.ts	Method	TBLASTX:Soybean
Start	31147	End	31411
GI	none	Score	177
Exons	31147..31257, 31148..31255, 31340..31411		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626

Name	OJ990613_36.0204.C5.o6.tm	Method	TBLASTX:Maize
Start	32106	End	32698
GI	none	Score	193
Exons	32106..32483, 32483..32698		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o6.tw	Method	TBLASTX:Wheat
Start	32340	End	32778
GI	none	Score	119
Exons	32340..32489, 32483..32641, 32621..32734, 32719..32778		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o4.tw	Method	TBLASTX:Wheat
Start	37412	End	37712
GI	none	Score	153
Exons	37412..37567, 37423..37563, 37566..37712		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o7.tm	Method	TBLASTX:Maize
Start	38896	End	39133
GI	none	Score	117
Exons	38896..39096, 38945..39094, 38956..39099, 39077..39133		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o2.tw	Method	TBLASTX:Wheat
Start	38908	End	39272
GI	none	Score	130
Exons	38908..39090, 38923..39090, 39095..39271, 39105..39272		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o5.tm	Method	TBLASTX:Maize
Start	39149	End	39888
GI	none	Score	46
Exons	39149..39214, 39204..39269, 39215..39268, 39320..39418, 39343..39687, 39497..39700, 39766..39888		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o5.tw	Method	TBLASTX:Wheat
Start	39403	End	39861
GI	none	Score	75
Exons	39403..39687, 39488..39625, 39766..39861		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626

Name	OJ990613_36.0204.C5.o4.tm	Method	TBLASTX:Maize
Start	42711	End	50293
GI	none	Score	241
Exons	42711..42983, 42712..42984, 42994..43029, 43036..43353, 48447..48518, 48448..48531, 50069..50293, 50074..50244		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o8.ts	Method	TBLASTX:Soybean
Start	42711	End	43041
GI	none	Score	45
Exons	42711..42821, 42712..42822, 42826..43041, 42831..42872		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o4.tc	Method	TBLASTX:Cress
Start	42826	End	43245
GI	none	Score	187
Exons	42826..43041, 43048..43245		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o5.ts	Method	TBLASTX:Soybean
Start	43090	End	50266
GI	none	Score	181
Exons	43090..43344, 48448..48531, 50028..50261, 50069..50266, 50074..50265		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o7.tw	Method	TBLASTX:Wheat
Start	48447	End	50272
GI	none	Score	97
Exons	48447..48518, 48448..48531, 50027..50242, 50069..50272, 50074..50265		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o6.tc	Method	TBLASTX:Cress
Start	56518	End	56981
GI	none	Score	150
Exons	56518..56559, 56639..56725, 56829..56981		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o7.ts	Method	TBLASTX:Soybean
Start	58132	End	59366
GI	none	Score	98
Exons	58132..58218, 58148..58219, 58644..58697, 58815..58940, 58816..58950, 59247..59321, 59331..59366		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12917	Strand	-
Start	69961	End	71626
Name	OJ990613_36.0204.C5.o17.gs	Method	GENSCAN
Start	69961	End	71626
GI	none	Score	.65
Exons	69961..70179, 71119..71285, 71337..71398, 71583..71626		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12918	Strand	
Start	72887	End	74612
Name	OJ990613_36.0204.C5.o1.tm	Method	TBLASTX:Maize
Start	72887	End	74594
GI	none	Score	77
Exons	72887..73015, 72901..73083, 72957..73073, 73081..73173, 73087..73164, 73108..73281, 73108..73272, 73326..73442, 73327..73443, 73381..73545, 73429..73545, 73444..73638, 73456..73545, 73477..73638, 73567..73845, 73603..73767, 73633..74034, 73744..74274, 73744..74070, 73878..74240, 74257..74577, 74268..74594		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12918	Strand	
Start	72887	End	74612
Name	OJ990613_36.0204.C5.o3.tc	Method	TBLASTX:Cress
Start	72934	End	74160
GI	none	Score	91
Exons	72934..73074, 72946..73095, 72946..73095, 73087..73326, 73105..73266, 73111..73374, 73198..73452, 73204..73359, 73272..73559, 73291..73596, 73315..73485, 73321..73596, 73342..73617, 73363..73545, 73369..73638, 73477..74064, 73555..73746, 73702..73977, 73854..74012, 73918..74160, 74035..74145		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12918	Strand	
Start	72887	End	74612
Name	OJ990613_36.0204.C5.o6.ts	Method	TBLASTX:Soybean
Start	72937	End	73988
GI	none	Score	81
Exons	72937..73068, 73090..73188, 73315..73443, 73405..73545, 73426..73596, 73606..73968, 73618..73827, 73860..73988		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12918	Strand	
Start	72887	End	74612
Name	OJ990613_36.0204.C5.o3.tw	Method	TBLASTX:Wheat
Start	73087	End	74226
GI	none	Score	73
Exons	73087..73188, 73093..73266, 73186..73359, 73315..73467, 73372..73593, 73405..73593, 73465..73653, 73606..73821, 73708..74178, 73887..74012, 74002..74118, 74052..74183, 74179..74226		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12918	Strand	
Start	72887	End	74612

Name	OJ990613_36.0204.C5.o2.ts	Method	TBLASTX:Soybean
Start	74038	End	74577
GI	none	Score	177
Exons	74038..74259, 74272..74577, 74274..74534, 74362..74544		

Seq. No.	6122	Seq. ID	OJ990613_36.0204.C5
Gene No.	12918	Strand	
Start	72887	End	74612
Name	OJ990613_36.0204.C5.o5.tc	Method	TBLASTX:Cress
Start	74347	End	74612
GI	none	Score	227
Exons	74347..74610, 74349..74612		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12919	Strand	+
Start	322	End	19341
Name	OJ990613_36.0204.C6.o1.gs	Method	GENSCAN
Start	322	End	19251
GI	none	Score	.54
Exons	322..382, 545..677, 948..1083, 4894..5170, 5384..5569, 5822..6157, 6706..6854, 8288..8446, 8544..8655, 8740..8859, 10459..10616, 11616..11650, 11744..11900, 12853..12945, 13320..13459, 14563..14633, 15786..15869, 17032..17145, 17472..17739, 18114..19251		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12919	Strand	+
Start	322	End	19341
Name	OJ990613_36.0204.C6.o1.gp	Method	AAT/GAP
Start	5894	End	16294
GI	14604_1.R1084	Score	3344
Exons	5894..6063, 8288..8446, 8544..8655, 8740..8859, 10459..10616, 11251..11419, 11609..11650, 11744..11900, 12706..12759, 12853..12945, 13320..13459, 14563..14633, 15786..15869, 15984..16294		
GI Descrip.	'3763916 1.0e-145 (AC004450) unknown protein [Arabidopsis thaliana] >gi_4531439_gb_AAD22124.1_AC006224_6 (AC006224) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12919	Strand	+
Start	322	End	19341
Name	OJ990613_36.0204.C6.o2.np	Method	AAT/NAP
Start	5908	End	16087
GI	6850311	Score	1079
Exons	5908..6063, 8288..8446, 8544..8655, 8740..8859, 10459..10611, 11243..11423, 11613..11650, 11744..11900, 12706..12759, 12853..12945, 13320..13459, 14563..14633, 15786..15869, 15984..16087		
GI Descrip.	(AC009999) Contains similarity to a vacuolar sorting receptor homolog from Arabidopsis thaliana gb|U79959.		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12919	Strand	+
Start	322	End	19341
Name	OJ990613_36.0204.C6.o3.np	Method	AAT/NAP
Start	18161	End	19341

GI	6862923	Score	332
Exons	18161..18767, 18805..19341		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12920	Strand	+
Start	24238	End	28598
Name	OJ990613_36.0204.C6.o4.np	Method	AAT/NAP
Start	24238	End	28598
GI	3935152	Score	1653
Exons	24238..25035, 25112..25285, 25905..26066, 26780..26922, 27291..27366, 27463..27635, 27714..27795, 28181..28270, 28499..28598		
GI Descrip.	(AC005106) T25N20.16 [Arabidopsis thaliana]		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12920	Strand	+
Start	24238	End	28598
Name	OJ990613_36.0204.C6.o3.gs	Method	GENSCAN
Start	26795	End	28258
GI	none	Score	.73
Exons	26795..26922, 27291..27366, 27463..27635, 27714..27795, 28181..28258		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12921	Strand	-
Start	3312	End	3418
Name	OJ990613_36.0204.C6.o1.np	Method	AAT/NAP
Start	3312	End	3418
GI	6721547	Score	91
Exons	3312..3418		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o3.tm	Method	TBLASTX:Maize
Start	8279	End	16084
GI	none	Score	238
Exons	8279..8449, 8286..8444, 8287..8445, 8525..8656, 8541..8672, 8541..8654, 8737..8763, 8739..8855, 8742..8855, 10451..10618, 10452..10616, 10459..10617, 10460..10621, 11245..11313, 11248..11313, 11309..11419, 11313..11420, 11610..11651, 11615..11650, 11729..11905, 11742..11900, 12685..12756, 12702..12761, 12705..12761, 12706..12774, 12847..12951, 12850..12945, 13318..13455, 13319..13390, 13320..13460, 13320..13478, 14556..14633, 14560..14634, 14561..14635, 15785..15865, 15786..15866, 15787..15867, 15797..15871, 15805..15885, 15961..16077, 15967..16077, 15983..16081, 15983..16084		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o5.ts	Method	TBLASTX:Soybean
Start	8279	End	10595
GI	none	Score	121

Exons	8279..8449, 8553..8654, 8556..8672, 8739..8843, 8739..8810, 10452..10595, 10457..10591		
Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o1.tw	Method	TBLASTX:Wheat
Start	11263	End	11782
GI	none	Score	61
Exons	11263..11313, 11263..11304, 11309..11419, 11313..11420, 11607..11651, 11612..11638, 11741..11782		
Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o4.tm	Method	TBLASTX:Maize
Start	18159	End	19179
GI	none	Score	108
Exons	18159..18284, 18160..18297, 18484..18576, 18679..18750, 18844..18906, 19003..19179		
Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o3.ts	Method	TBLASTX:Soybean
Start	18483	End	19260
GI	none	Score	76
Exons	18483..18575, 18484..18576, 18622..18750, 18678..18749, 18844..18906, 19003..19179, 19180..19260		
Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o2.gs	Method	GENSCAN
Start	22694	End	26033
GI	none	Score	.57
Exons	22694..23361, 24291..24885, 25136..25277, 25621..25727, 25974..26033		
Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o2.tc	Method	TBLASTX:Cress
Start	24280	End	24591
GI	none	Score	139
Exons	24280..24369, 24288..24368, 24429..24590, 24430..24591		
Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o5.tm	Method	TBLASTX:Maize
Start	24280	End	24504
GI	none	Score	142
Exons	24280..24369, 24288..24368, 24429..24503, 24430..24504		
Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-

Start	22694	End	28268
Name	OJ990613_36.0204.C6.o4.ts	Method	TBLASTX:Soybean
Start	24280	End	24573
GI	none	Score	122
Exons	24280..24369, 24429..24569, 24430..24573		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o1.tm	Method	TBLASTX:Maize
Start	24504	End	26922
GI	none	Score	148
Exons	24504..24587, 24505..24591, 24664..25038, 24664..25053, 25098..25283, 25102..25311, 25139..25288, 25904..26068, 25905..26069, 26776..26862, 26777..26914, 26777..26905, 26778..26906, 26779..26922		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o1.tc	Method	TBLASTX:Cress
Start	24727	End	27567
GI	none	Score	172
Exons	24727..24876, 24735..24857, 24976..25029, 25111..25311, 25139..25288, 25904..26068, 25905..26069, 26777..26920, 26779..26922, 27270..27371, 27271..27381, 27459..27536, 27463..27504, 27526..27567		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o2.ts	Method	TBLASTX:Soybean
Start	24766	End	25949
GI	none	Score	62
Exons	24766..24900, 24783..24890, 24783..24905, 24784..24909, 24922..25038, 25087..25311, 25113..25280, 25139..25288, 25905..25949		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o1.ts	Method	TBLASTX:Soybean
Start	26770	End	28267
GI	none	Score	111
Exons	26770..26862, 26777..26920, 26779..26922, 26814..26921, 27270..27389, 27271..27381, 27459..27635, 27460..27639, 27463..27639, 27690..27797, 27712..27795, 28159..28263, 28181..28267		

Seq. No.	6123	Seq. ID	OJ990613_36.0204.C6
Gene No.	12922	Strand	-
Start	22694	End	28268
Name	OJ990613_36.0204.C6.o2.tm	Method	TBLASTX:Maize
Start	27270	End	28268
GI	none	Score	95
Exons	27270..27371, 27281..27367, 27285..27371, 27289..27372, 27459..27635, 27460..27639, 27463..27639, 27711..27806,		

27712..27795, 28159..28260, 28178..28267, 28179..28259,
28179..28268, 28180..28260, 28181..28267

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o1.np	Method	AAT/NAP
Start	1	End	2759
GI	2244772	Score	828
Exons	1..21, 548..706, 786..1049, 1784..1888, 2616..2759		
GI Descrip.	(Z97335) transport protein [Arabidopsis thaliana]		

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o1.tc	Method	TBLASTX:Cress
Start	542	End	1010
GI	none	Score	83
Exons	542..706, 543..707, 544..708, 544..708, 545..709, 783..926, 785..907, 927..1010, 927..995		

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o1.ts	Method	TBLASTX:Soybean
Start	542	End	2771
GI	none	Score	62
Exons	542..628, 543..629, 544..708, 545..709, 782..1045, 783..1049, 924..1049, 1807..1884, 1808..1888, 2613..2771, 2615..2767		

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o1.tm	Method	TBLASTX:Maize
Start	543	End	2960
GI	none	Score	230
Exons	543..707, 544..708, 544..708, 545..709, 761..1045, 783..1049, 783..1049, 1781..1882, 1807..1887, 1808..1888, 2600..2767, 2612..2857, 2613..2774, 2774..2818, 2889..2942, 2889..2960, 2890..2946		

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o1.gs	Method	GENSCAN
Start	545	End	2762
GI	none	Score	.92
Exons	545..706, 786..1049, 1784..1888, 2616..2762		

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o1.gp	Method	AAT/GAP
Start	579	End	3029
GI	4756_1.R1084	Score	1734
Exons	579..706, 786..1049, 1784..1888, 2616..3029		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450		

[Arabidopsis thaliana]'

Seq. No.	6124	Seq. ID	OJ990613_36.0204.C7
Gene No.	12923	Strand	+
Start	1	End	3029
Name	OJ990613_36.0204.C7.o2.tc	Method	TBLASTX:Cress
Start	1808	End	2762
GI	none	Score	111
Exons	1808..1888, 2612..2758, 2613..2762, 2613..2759		

Seq. No.	6125	Seq. ID	OJ990613_36.0204.C8
Gene No.	12924	Strand	+
Start	81	End	252
Name	OJ990613_36.0204.C8.o1.gs	Method	GENSCAN
Start	81	End	252
GI	none	Score	.58
Exons	81..252		

Seq. No.	6126	Seq. ID	OJ990923_14.0228.C1
Gene No.	12925	Strand	+
Start	201	End	302
Name	OJ990923_14.0228.C1.o1.gs	Method	GENSCAN
Start	201	End	302
GI	none	Score	.77
Exons	201..302		

Seq. No.	6127	Seq. ID	OJ990923_14.0228.C5
Gene No.	12926	Strand	+
Start	1	End	976
Name	OJ990923_14.0228.C5.o1.np	Method	AAT/NAP
Start	1	End	976
GI	6069646	Score	381
Exons	1..976		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	6127	Seq. ID	OJ990923_14.0228.C5
Gene No.	12926	Strand	+
Start	1	End	976
Name	OJ990923_14.0228.C5.o1.tm	Method	TBLASTX:Maize
Start	490	End	769
GI	none	Score	297
Exons	490..645, 494..769		

Seq. No.	6127	Seq. ID	OJ990923_14.0228.C5
Gene No.	12926	Strand	+
Start	1	End	976
Name	OJ990923_14.0228.C5.o1.tw	Method	TBLASTX:Wheat
Start	499	End	850
GI	none	Score	149
Exons	499..666, 503..685, 803..850		

Seq. No.	6127	Seq. ID	OJ990923_14.0228.C5
Gene No.	12926	Strand	+

Start	1	End	976
Name	OJ990923_14.0228.C5.o1.gs	Method	GENSCAN
Start	562	End	750
GI	none	Score	.65
Exons	562..750		

Seq. No.	6128	Seq. ID	OJ990923_14.0228.C6
Gene No.	12927	Strand	+
Start	3364	End	3633
Name	OJ990923_14.0228.C6.o1.np	Method	AAT/NAP
Start	3364	End	3633
GI	6069646	Score	157
Exons	3364..3633		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	6128	Seq. ID	OJ990923_14.0228.C6
Gene No.	12928	Strand	-
Start	689	End	1013
Name	OJ990923_14.0228.C6.o1.gs	Method	GENSCAN
Start	689	End	1013
GI	none	Score	.96
Exons	689..781, 852..1013		

Seq. No.	6128	Seq. ID	OJ990923_14.0228.C6
Gene No.	12929	Strand	-
Start	1419	End	7429
Name	OJ990923_14.0228.C6.o2.gs	Method	GENSCAN
Start	1419	End	7429
GI	none	Score	.49
Exons	1419..1657, 3125..3232, 3384..3490, 6353..6494, 7360..7429		

Seq. No.	6129	Seq. ID	OJ990923_14.0228.C7
Gene No.	12930	Strand	-
Start	389	End	1415
Name	OJ990923_14.0228.C7.o1.gs	Method	GENSCAN
Start	389	End	1415
GI	none	Score	.6
Exons	389..548, 618..708, 839..1415		

Seq. No.	6130	Seq. ID	OJ990923_14.0228.C8
Gene No.	12931	Strand	-
Start	1	End	555
Name	OJ990923_14.0228.C8.o1.np	Method	AAT/NAP
Start	1	End	555
GI	4678208	Score	484
Exons	1..328, 471..555		
GI Descrip.	(AC007134) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	6130	Seq. ID	OJ990923_14.0228.C8
Gene No.	12931	Strand	-
Start	1	End	555
Name	OJ990923_14.0228.C8.o1.ts	Method	TBLASTX:Soybean
Start	1	End	543

GI	none	Score	238
Exons	1..306, 2..301, 472..543		
Seq. No.	6130	Seq. ID	OJ990923_14.0228.C8
Gene No.	12931	Strand	-
Start	1	End	555
Name	OJ990923_14.0228.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	543
GI	none	Score	302
Exons	1..306, 2..301, 472..543		
Seq. No.	6130	Seq. ID	OJ990923_14.0228.C8
Gene No.	12931	Strand	-
Start	1	End	555
Name	OJ990923_14.0228.C8.o1.gs	Method	GENSCAN
Start	65	End	328
GI	none	Score	.9
Exons	65..328		
Seq. No.	6131	Seq. ID	OJ990923_14.0228.C11
Gene No.	12932	Strand	+
Start	182	End	619
Name	OJ990923_14.0228.C11.o1.gp	Method	AAT/GAP
Start	182	End	619
GI	none	Score	718
Exons	182..619		
Seq. No.	6131	Seq. ID	OJ990923_14.0228.C11
Gene No.	12932	Strand	+
Start	182	End	619
Name	OJ990923_14.0228.C11.o1.gs	Method	GENSCAN
Start	205	End	608
GI	none	Score	.53
Exons	205..313, 570..608		
Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12933	Strand	+
Start	1206	End	3684
Name	OJ990923_14.0228.C12.o1.gs	Method	GENSCAN
Start	1206	End	3116
GI	none	Score	.72
Exons	1206..1335, 1415..1597, 1697..2480, 2492..3116		
Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12933	Strand	+
Start	1206	End	3684
Name	OJ990923_14.0228.C12.o1.gp	Method	AAT/GAP
Start	1413	End	2102
GI	48291_1.R1084	Score	1073
Exons	1413..1597, 1697..2102		
GI Descrip.	'1778093 3.0e-48 (U64902) putative sugar transporter; member of major facilitative superfamily; integral membrane protein [Beta vulgaris]'		
Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12933	Strand	+
Start	1206	End	3684

Name	OJ990923_14.0228.C12.o1.np	Method	AAT/NAP
Start	1438	End	3301
GI	1778095	Score	1569
Exons	1438..1597, 1697..3092, 3235..3301		
GI Descrip.	(U64903) putative sugar transporter; member of major facilitative superfamily; integral membrane protein [Beta vulgaris]		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12933	Strand	+
Start	1206	End	3684
Name	OJ990923_14.0228.C12.o3.gp	Method	AAT/GAP
Start	2733	End	3684
GI	87881_1.R1084	Score	1760
Exons	2733..3684		
GI Descrip.	'2464913/emb|CAB16808.1| 2.0e-20 (Z99708) sugar transporter like protein [Arabidopsis thaliana]'		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12934	Strand	+
Start	7489	End	9019
Name	OJ990923_14.0228.C12.o3.gs	Method	GENSCAN
Start	7489	End	9019
GI	none	Score	.92
Exons	7489..7549, 8008..8218, 8278..8359, 8474..9019		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12935	Strand	+
Start	9594	End	13945
Name	OJ990923_14.0228.C12.o4.gs	Method	GENSCAN
Start	9594	End	10724
GI	none	Score	.91
Exons	9594..10724		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12935	Strand	+
Start	9594	End	13945
Name	OJ990923_14.0228.C12.o3.np	Method	AAT/NAP
Start	10140	End	13942
GI	6630696	Score	6552
Exons	10140..13942		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12935	Strand	+
Start	9594	End	13945
Name	OJ990923_14.0228.C12.o4.gp	Method	AAT/GAP
Start	10182	End	11074
GI	101595_1.R1084	Score	1440
Exons	10182..10883, 10999..11074		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12935	Strand	+

Start	9594	End	13945
Name	OJ990923_14.0228.C12.o5.gs	Method	GENSCAN
Start	12149	End	13945
GI	none	Score	.52
Exons	12149..13945		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12936	Strand	+
Start	16309	End	16783
Name	OJ990923_14.0228.C12.o5.gp	Method	AAT/GAP
Start	16309	End	16783
GI	none	Score	814
Exons	16309..16783		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12937	Strand	+
Start	16882	End	17431
Name	OJ990923_14.0228.C12.o6.gp	Method	AAT/GAP
Start	16882	End	17431
GI	none	Score	1023
Exons	16882..17431		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12938	Strand	-
Start	2231	End	2616
Name	OJ990923_14.0228.C12.o2.gp	Method	AAT/GAP
Start	2231	End	2616
GI	uC-osrocyp002h08a1	Score	746
Exons	2231..2616		
GI Descrip.	'4678208/gb|AAD26954.1|AC007134_12 7.0e-27 (AC007134) putative sugar transporter [Arabidopsis thaliana]'		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o2.tm	Method	TBLASTX:Maize
Start	1513	End	19014
GI	none	Score	104
Exons	1513..1596, 1524..1601, 1695..2111, 1696..2142, 2047..2139, 2057..2140, 4910..5356, 4911..5357, 5499..5603, 18595..18747, 18733..19014		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o1.ts	Method	TBLASTX:Soybean
Start	1519	End	19282
GI	none	Score	98
Exons	1519..1596, 1521..1601, 1695..2240, 1696..2364, 2376..2474, 2377..2475, 2465..2662, 2478..2696, 2700..3086, 2723..2980, 4007..4327, 4008..4331, 4358..4630, 4391..4675, 4470..4676, 4685..5356, 4686..5402, 5499..5570, 18218..18358, 18280..18411, 18595..18753, 18596..18718, 18739..19050, 18770..18973, 19196..19282		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-

Start	3935	End	19282
Name	OJ990923_14.0228.C12.o4.tc	Method	TBLASTX:Cress
Start	1543	End	19279
GI	none	Score	85
Exons	1543..1596, 1545..1601, 1695..1904, 1696..1902, 5150..5356, 5193..5357, 5499..5564, 19196..19279		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o4.tw	Method	TBLASTX:Wheat
Start	2070	End	18708
GI	none	Score	382
Exons	2070..2240, 2071..2352, 4700..4981, 4701..4982, 18595..18708		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o1.tc	Method	TBLASTX:Cress
Start	2101	End	18708
GI	none	Score	237
Exons	2101..2370, 2115..2237, 2350..2472, 2376..2474, 2377..2475, 4569..4676, 4571..4675, 4679..4951, 4806..4937, 18601..18708		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o1.tm	Method	TBLASTX:Maize
Start	2142	End	18411
GI	none	Score	283
Exons	2142..2240, 2143..2358, 2353..2475, 2367..2477, 2370..2477, 2465..3112, 2466..3152, 3941..4321, 4011..4322, 4328..4693, 4337..4663, 4697..4909, 4701..4910, 18218..18400, 18274..18411		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o5.tc	Method	TBLASTX:Cress
Start	2480	End	4565
GI	none	Score	197
Exons	2480..2716, 2481..2699, 2759..2788, 2760..2789, 4259..4288, 4356..4565, 4400..4564		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o3.tc	Method	TBLASTX:Cress
Start	2817	End	4231
GI	none	Score	268
Exons	2817..3092, 2840..2980, 2970..3038, 4010..4231, 4023..4208		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o2.gs	Method	GENSCAN
Start	3935	End	5585
GI	none	Score	.89

Exons	3935..5355, 5498..5585		
Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o2.np	Method	AAT/NAP
Start	3941	End	5624
GI	4678208	Score	1472
Exons	3941..5355, 5498..5624		
GI Descrip.	(AC007134) putative sugar transporter [Arabidopsis thaliana]		
Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o5.tw	Method	TBLASTX:Wheat
Start	10034	End	10431
GI	none	Score	128
Exons	10034..10132, 10035..10169, 10146..10430, 10220..10411, 10249..10431		
Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o6.tm	Method	TBLASTX:Maize
Start	10182	End	10490
GI	none	Score	317
Exons	10182..10490, 10229..10411, 10282..10425, 10311..10487		
Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o3.tm	Method	TBLASTX:Maize
Start	11013	End	11357
GI	none	Score	376
Exons	11013..11285, 11014..11286, 11015..11287, 11015..11287, 11316..11357		
Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o6.ts	Method	TBLASTX:Soybean
Start	11331	End	11711
GI	none	Score	88
Exons	11331..11480, 11463..11711		
Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o7.tm	Method	TBLASTX:Maize
Start	11469	End	11933
GI	none	Score	300
Exons	11469..11933		
Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o6.tw	Method	TBLASTX:Wheat

Start	11576	End	11775
GI	none	Score	265
Exons	11576..11773, 11577..11774, 11584..11775, 11584..11775		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o3.ts	Method	TBLASTX:Soybean
Start	11721	End	12119
GI	none	Score	199
Exons	11721..11942, 11723..11938, 11946..12119		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o1.tw	Method	TBLASTX:Wheat
Start	11776	End	12523
GI	none	Score	261
Exons	11776..12129, 11777..12136, 11780..12145, 11784..12146, 12121..12240, 12131..12523, 12131..12241, 12132..12455, 12334..12519, 12341..12523		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o2.ts	Method	TBLASTX:Soybean
Start	12443	End	12907
GI	5509260	Score	389
Exons	12443..12907, 12538..12699, 12593..12793		
GI Descrip.	-		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o2.tc	Method	TBLASTX:Cress
Start	12536	End	12796
GI	none	Score	291
Exons	12536..12796, 12538..12708		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o5.tm	Method	TBLASTX:Maize
Start	12577	End	13042
GI	none	Score	355
Exons	12577..12708, 12578..13042, 12713..12793, 12829..12882		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o3.tw	Method	TBLASTX:Wheat
Start	12578	End	13123
GI	none	Score	320
Exons	12578..12922, 12595..12759, 12917..13123		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-

Start	3935	End	19282
Name	OJ990923_14.0228.C12.o4.ts	Method	TBLASTX:Soybean
Start	12976	End	13327
GI	none	Score	141
Exons	12976..13140, 12977..13135, 13135..13323, 13136..13324, 13145..13327		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o4.tm	Method	TBLASTX:Maize
Start	13103	End	13475
GI	none	Score	358
Exons	13103..13474, 13126..13473, 13227..13475		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o2.tw	Method	TBLASTX:Wheat
Start	13331	End	13806
GI	none	Score	105
Exons	13331..13405, 13332..13391, 13336..13404, 13420..13806, 13421..13801		

Seq. No.	6132	Seq. ID	OJ990923_14.0228.C12
Gene No.	12939	Strand	-
Start	3935	End	19282
Name	OJ990923_14.0228.C12.o5.ts	Method	TBLASTX:Soybean
Start	13337	End	13678
GI	none	Score	97
Exons	13337..13450, 13372..13440, 13469..13678, 13474..13599		

Seq. No.	6133	Seq. ID	OJ990923_14.0228.C13
Gene No.	12940	Strand	+
Start	403	End	3504
Name	OJ990923_14.0228.C13.o1.gs	Method	GENSCAN
Start	403	End	3504
GI	none	Score	.4
Exons	403..414, 2556..2683, 2741..3036, 3175..3265, 3308..3504		

Seq. No.	6133	Seq. ID	OJ990923_14.0228.C13
Gene No.	12941	Strand	-
Start	261	End	3051
Name	OJ990923_14.0228.C13.o1.gp	Method	AAT/GAP
Start	261	End	3051
GI	28754_1:R1084	Score	922
Exons	261..499, 1231..1384, 2937..3051		
GI Descrip.	'3935169 5.0e-12 (AC004557) F17L21.12 [Arabidopsis thaliana]'		

Seq. No.	6133	Seq. ID	OJ990923_14.0228.C13
Gene No.	12941	Strand	-
Start	261	End	3051
Name	OJ990923_14.0228.C13.o1.np	Method	AAT/NAP
Start	456	End	1387
GI	3935169	Score	209
Exons	456..499, 1231..1387		
GI Descrip.	(AC004557) F17L21.12 [Arabidopsis thaliana]		

Seq. No.	6133	Seq. ID	OJ990923_14.0228.C13
Gene No.	12941	Strand	-
Start	261	End	3051
Name	OJ990923_14.0228.C13.o1.tm	Method	TBLASTX:Maize
Start	1230	End	1385
GI	none	Score	171
Exons	1230..1385, 1232..1384, 1233..1385		

Seq. No.	6134	Seq. ID	OJ990923_14.0228.C14
Gene No.	12942	Strand	+
Start	177	End	5198
Name	OJ990923_14.0228.C14.o1.np	Method	AAT/NAP
Start	177	End	4109
GI	5902444	Score	953
Exons	177..230, 2076..2291, 2413..4109		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6134	Seq. ID	OJ990923_14.0228.C14
Gene No.	12942	Strand	+
Start	177	End	5198
Name	OJ990923_14.0228.C14.o2.tw	Method	TBLASTX:Wheat
Start	2493	End	2840
GI	none	Score	74
Exons	2493..2606, 2516..2569, 2595..2840, 2612..2785		

Seq. No.	6134	Seq. ID	OJ990923_14.0228.C14
Gene No.	12942	Strand	+
Start	177	End	5198
Name	OJ990923_14.0228.C14.o2.np	Method	AAT/NAP
Start	2652	End	5198
GI	6498434	Score	117
Exons	2652..2698, 4571..4788, 5031..5198		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	6134	Seq. ID	OJ990923_14.0228.C14
Gene No.	12942	Strand	+
Start	177	End	5198
Name	OJ990923_14.0228.C14.o1.tw	Method	TBLASTX:Wheat
Start	3474	End	4211
GI	none	Score	124
Exons	3474..3656, 3485..3655, 3693..3929, 3695..3919, 4076..4165, 4077..4166, 4098..4211, 4106..4171		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12943	Strand	+
Start	1925	End	11102
Name	OJ990923_14.0228.C15.o2.np	Method	AAT/NAP
Start	1925	End	5953
GI	5902445	Score	1175
Exons	1925..3166, 5906..5953		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12943	Strand	+
Start	1925	End	11102
Name	OJ990923_14.0228.C15.o2.gs	Method	GENSCAN

Start	5409	End	11102
GI	none	Score	.64
Exons	5409..5493, 6655..6761, 8052..8142, 9019..9251, 9394..9540, 10590..10662, 10728..10879, 10972..11102		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12943	Strand	+
Start	1925	End	11102
Name	OJ990923_14.0228.C15.o3.np	Method	AAT/NAP
Start	6572	End	7916
GI	6630699	Score	82
Exons	6572..6605, 7839..7916		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12943	Strand	+
Start	1925	End	11102
Name	OJ990923_14.0228.C15.o4.np	Method	AAT/NAP
Start	8046	End	8482
GI	6539570	Score	124
Exons	8046..8247, 8409..8482		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o1.np	Method	AAT/NAP
Start	930	End	4980
GI	4680183	Score	133
Exons	930..1019, 4957..4980		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o2.tw	Method	TBLASTX:Wheat
Start	1912	End	2219
GI	none	Score	96
Exons	1912..2034, 1913..2035, 2037..2219, 2060..2218, 2061..2219		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o1.tm	Method	TBLASTX:Maize
Start	2033	End	2351
GI	none	Score	357
Exons	2033..2341, 2037..2351		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o1.tw	Method	TBLASTX:Wheat
Start	2220	End	2639
GI	none	Score	420
Exons	2220..2639, 2450..2638		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o2.tm	Method	TBLASTX:Maize
Start	2406	End	2750
GI	none	Score	291
Exons	2406..2750, 2415..2462, 2450..2722		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o1.ts	Method	TBLASTX:Soybean
Start	2412	End	2648
GI	none	Score	218
Exons	2412..2648, 2510..2638		

Seq. No.	6135	Seq. ID	OJ990923_14.0228.C15
Gene No.	12944	Strand	-
Start	930	End	4980
Name	OJ990923_14.0228.C15.o3.tw	Method	TBLASTX:Wheat
Start	2799	End	3145
GI	none	Score	82
Exons	2799..2930, 2942..3145		

Seq. No.	6136	Seq. ID	OJ990923_14.0228.C17
Gene No.	12945	Strand	-
Start	1	End	597
Name	OJ990923_14.0228.C17.o1.np	Method	AAT/NAP
Start	1	End	597
GI	5902444	Score	769
Exons	1..597		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6136	Seq. ID	OJ990923_14.0228.C17
Gene No.	12945	Strand	-
Start	1	End	597
Name	OJ990923_14.0228.C17.o1.gs	Method	GENSCAN
Start	205	End	594
GI	none	Score	.98
Exons	205..594		

Seq. No.	6137	Seq. ID	OJ990923_14.0228.C19
Gene No.	12946	Strand	+
Start	1	End	642
Name	OJ990923_14.0228.C19.o1.np	Method	AAT/NAP
Start	1	End	642
GI	6721515	Score	89
Exons	1..276, 621..642		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		

Seq. No.	6137	Seq. ID	OJ990923_14.0228.C19
Gene No.	12946	Strand	+
Start	1	End	642
Name	OJ990923_14.0228.C19.o1.gs	Method	GENSCAN
Start	112	End	300
GI	none	Score	.97

Exons	112..300		
Seq. No.	6137	Seq. ID	OJ990923_14.0228.C19
Gene No.	12946	Strand	+
Start	1	End	642
Name	OJ990923_14.0228.C19.o1.tm	Method	TBLASTX:Maize
Start	348	End	642
GI	none	Score	207
Exons	348..641, 436..633, 448..642		
Seq. No.	6137	Seq. ID	OJ990923_14.0228.C19
Gene No.	12946	Strand	+
Start	1	End	642
Name	OJ990923_14.0228.C19.o2.np	Method	AAT/NAP
Start	369	End	642
GI	4680209	Score	116
Exons	369..642		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		
Seq. No.	6138	Seq. ID	OJ990923_14.0228.C21
Gene No.	12947	Strand	-
Start	319	End	720
Name	OJ990923_14.0228.C21.o1.gs	Method	GENSCAN
Start	319	End	660
GI	none	Score	.85
Exons	319..660		
Seq. No.	6138	Seq. ID	OJ990923_14.0228.C21
Gene No.	12947	Strand	-
Start	319	End	720
Name	OJ990923_14.0228.C21.o1.tw	Method	TBLASTX:Wheat
Start	319	End	717
GI	none	Score	63
Exons	319..393, 325..399, 392..577, 409..612, 413..526, 450..578, 631..717, 637..717		
Seq. No.	6138	Seq. ID	OJ990923_14.0228.C21
Gene No.	12947	Strand	-
Start	319	End	720
Name	OJ990923_14.0228.C21.o1.tm	Method	TBLASTX:Maize
Start	325	End	720
GI	none	Score	290
Exons	325..720, 326..718		
Seq. No.	6138	Seq. ID	OJ990923_14.0228.C21
Gene No.	12947	Strand	-
Start	319	End	720
Name	OJ990923_14.0228.C21.o1.gp	Method	AAT/GAP
Start	412	End	720
GI	83775_1.R1084	Score	541
Exons	412..720		
GI Descrip.	'4538911/emb|CAB39648.1| 2.0e-18 (AL049482) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	6139	Seq. ID	OJ990923_14.0228.C22
Gene No.	12948	Strand	-
Start	1	End	540

Name	OJ990923_14.0228.C22.o1.np	Method	AAT/NAP
Start	1	End	540
GI	5902448	Score	892
Exons	1..540		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	6139	Seq. ID	OJ990923_14.0228.C22
Gene No.	12948	Strand	-
Start	1	End	540
Name	OJ990923_14.0228.C22.o1.gs	Method	GENSCAN
Start	166	End	540
GI	none	Score	.87
Exons	166..540		

Seq. No.	6139	Seq. ID	OJ990923_14.0228.C22
Gene No.	12948	Strand	-
Start	1	End	540
Name	OJ990923_14.0228.C22.o1.tw	Method	TBLASTX:Wheat
Start	181	End	363
GI	none	Score	65
Exons	181..363, 182..349		

Seq. No.	6140	Seq. ID	OJ990923_14.0228.C24
Gene No.	12949	Strand	-
Start	13	End	481
Name	OJ990923_14.0228.C24.o1.gs	Method	GENSCAN
Start	13	End	481
GI	none	Score	.84
Exons	13..116, 459..481		

Seq. No.	6141	Seq. ID	OJ990923_14.0228.C26
Gene No.	12950	Strand	+
Start	1	End	249
Name	OJ990923_14.0228.C26.o1.np	Method	AAT/NAP
Start	1	End	249
GI	4680186	Score	271
Exons	1..249		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6142	Seq. ID	OJ990923_14.0228.C28
Gene No.	12951	Strand	+
Start	1	End	508
Name	OJ990923_14.0228.C28.o1.np	Method	AAT/NAP
Start	1	End	508
GI	4678208	Score	388
Exons	1..98, 241..508		
GI Descrip.	(AC007134) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	6142	Seq. ID	OJ990923_14.0228.C28
Gene No.	12951	Strand	+
Start	1	End	508
Name	OJ990923_14.0228.C28.o1.gs	Method	GENSCAN
Start	11	End	500
GI	none	Score	.86
Exons	11..98, 241..500		

Seq. No.	6142	Seq. ID	OJ990923_14.0228.C28

Gene No.	12951	Strand	+
Start	1	End	508
Name	OJ990923_14.0228.C28.o1.tm	Method	TBLASTX:Maize
Start	26	End	506
GI	none	Score	88
Exons	26..97, 226..303, 239..505, 240..506		

Seq. No.	6142	Seq. ID	OJ990923_14.0228.C28
Gene No.	12951	Strand	+
Start	1	End	508
Name	OJ990923_14.0228.C28.o1.ts	Method	TBLASTX:Soybean
Start	26	End	506
GI	none	Score	85
Exons	26..97, 194..505, 240..506		

Seq. No.	6142	Seq. ID	OJ990923_14.0228.C28
Gene No.	12951	Strand	+
Start	1	End	508
Name	OJ990923_14.0228.C28.o1.tc	Method	TBLASTX:Cress
Start	32	End	446
GI	none	Score	82
Exons	32..97, 239..403, 240..446		

Seq. No.	6143	Seq. ID	OJ990923_14.0228.C29
Gene No.	12952	Strand	-
Start	1	End	917
Name	OJ990923_14.0228.C29.o1.np	Method	AAT/NAP
Start	1	End	577
GI	6907089	Score	924
Exons	1..577		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6143	Seq. ID	OJ990923_14.0228.C29
Gene No.	12952	Strand	-
Start	1	End	917
Name	OJ990923_14.0228.C29.o1.gs	Method	GENSCAN
Start	7	End	917
GI	none	Score	.7
Exons	7..596, 805..917		

Seq. No.	6144	Seq. ID	OJ990923_14.0228.C30
Gene No.	12953	Strand	+
Start	1	End	705
Name	OJ990923_14.0228.C30.o1.np	Method	AAT/NAP
Start	1	End	705
GI	6498441	Score	586
Exons	1..173, 504..705		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6144	Seq. ID	OJ990923_14.0228.C30
Gene No.	12953	Strand	+
Start	1	End	705
Name	OJ990923_14.0228.C30.o1.gs	Method	GENSCAN
Start	82	End	670
GI	none	Score	.53

Exons	82..670		
Seq. No.	6144	Seq. ID	OJ990923_14.0228.C30
Gene No.	12953	Strand	+
Start	1	End	705
Name	OJ990923_14.0228.C30.o1.tw	Method	TBLASTX:Wheat
Start	388	End	705
GI	none	Score	247
Exons	388..561, 389..703, 389..700, 583..705		
Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12954	Strand	+
Start	1	End	1333
Name	OJ990923_14.0228.C33.o1.np	Method	AAT/NAP
Start	1	End	1330
GI	5902444	Score	1893
Exons	1..1330		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12954	Strand	+
Start	1	End	1333
Name	OJ990923_14.0228.C33.o1.gs	Method	GENSCAN
Start	74	End	1333
GI	none	Score	.44
Exons	74..122, 136..274, 647..1333		
Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12955	Strand	+
Start	1397	End	1768
Name	OJ990923_14.0228.C33.o1.tw	Method	TBLASTX:Wheat
Start	665	End	1459
GI	none	Score	143
Exons	665..841, 886..1122, 890..1120, 1169..1459, 1225..1440		
Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12955	Strand	+
Start	1397	End	1768
Name	OJ990923_14.0228.C33.o2.tm	Method	TBLASTX:Maize
Start	973	End	1168
GI	none	Score	186
Exons	973..1119, 974..1168		
Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12955	Strand	+
Start	1397	End	1768
Name	OJ990923_14.0228.C33.o2.np	Method	AAT/NAP
Start	1397	End	1768
GI	5902445	Score	593
Exons	1397..1768		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12955	Strand	+
Start	1397	End	1768
Name	OJ990923_14.0228.C33.o2.tw	Method	TBLASTX:Wheat
Start	1460	End	1767

GI	none	Score	106
Exons	1460..1756, 1461..1766, 1462..1767		

Seq. No.	6145	Seq. ID	OJ990923_14.0228.C33
Gene No.	12955	Strand	+
Start	1397	End	1768
Name	OJ990923_14.0228.C33.o1.tm	Method	TBLASTX:Maize
Start	1470	End	1767
GI	none	Score	287
Exons	1470..1763, 1471..1767		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12956	Strand	+
Start	1	End	2188
Name	OJ990923_14.0228.C34.o1.np	Method	AAT/NAP
Start	1	End	2188
GI	5902445	Score	3477
Exons	1..2188		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o4.tw	Method	TBLASTX:Wheat
Start	2	End	322
GI	none	Score	55
Exons	2..145, 3..149, 5..319, 227..322		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o1.ts	Method	TBLASTX:Soybean
Start	314	End	702
GI	none	Score	87
Exons	314..418, 322..408, 454..702, 458..700		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o3.tw	Method	TBLASTX:Wheat
Start	323	End	754
GI	none	Score	411
Exons	323..754, 328..669		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o3.tm	Method	TBLASTX:Maize
Start	377	End	649
GI	none	Score	128
Exons	377..547, 551..649		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o5.tw	Method	TBLASTX:Wheat
Start	761	End	1060

GI	none	Score	130
Exons	761..895, 928..1059, 962..1060		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o1.tm	Method	TBLASTX:Maize
Start	1057	End	1420
GI	none	Score	446
Exons	1057..1380, 1058..1381, 1373..1420		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o2.tw	Method	TBLASTX:Wheat
Start	1061	End	1452
GI	none	Score	413
Exons	1061..1222, 1063..1374, 1064..1450, 1259..1450, 1405..1452		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o4.tm	Method	TBLASTX:Maize
Start	1522	End	1795
GI	none	Score	99
Exons	1522..1620, 1523..1621, 1612..1686, 1616..1699, 1709..1795		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o1.tw	Method	TBLASTX:Wheat
Start	1565	End	2179
GI	none	Score	342
Exons	1565..2056, 1585..1674, 1715..1744, 1726..1929, 2048..2179		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o2.tm	Method	TBLASTX:Maize
Start	1877	End	2140
GI	none	Score	165
Exons	1877..2059, 1999..2058, 2038..2139, 2039..2140		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o2.gs	Method	GENSCAN
Start	2521	End	4497
GI	none	Score	.64
Exons	2521..2946, 3479..3678, 3966..4102, 4179..4497		

Seq. No.	6146	Seq. ID	OJ990923_14.0228.C34
Gene No.	12957	Strand	-
Start	2521	End	4712
Name	OJ990923_14.0228.C34.o2.np	Method	AAT/NAP
Start	2533	End	4712
GI	6691716	Score	1309

Exons	2533..2972, 3046..3159, 3302..3404, 3479..3666, 3744..3939, 4016..4102, 4179..4348, 4558..4712		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	6147	Seq. ID	OJ990923_14.0228.C35
Gene No.	12958	Strand	-
Start	1	End	508
Name	OJ990923_14.0228.C35.o1.np	Method	AAT/NAP
Start	1	End	469
GI	5902448	Score	757
Exons	1..469		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		
Seq. No.	6147	Seq. ID	OJ990923_14.0228.C35
Gene No.	12958	Strand	-
Start	1	End	508
Name	OJ990923_14.0228.C35.o1.gs	Method	GENSCAN
Start	95	End	508
GI	none	Score	.58
Exons	95..508		
Seq. No.	6147	Seq. ID	OJ990923_14.0228.C35
Gene No.	12958	Strand	-
Start	1	End	508
Name	OJ990923_14.0228.C35.o1.tw	Method	TBLASTX:Wheat
Start	110	End	292
GI	none	Score	65
Exons	110..292, 111..278		
Seq. No.	6148	Seq. ID	OJ990923_14.0228.C39
Gene No.	12959	Strand	-
Start	1	End	874
Name	OJ990923_14.0228.C39.o1.np	Method	AAT/NAP
Start	1	End	874
GI	1363528	Score	92
Exons	1..226, 838..874		
GI Descrip.	gag protein - maize gi|507845 (U11059) gag gene product [Zea mays]		
Seq. No.	6148	Seq. ID	OJ990923_14.0228.C39
Gene No.	12959	Strand	-
Start	1	End	874
Name	OJ990923_14.0228.C39.o1.gs	Method	GENSCAN
Start	54	End	856
GI	none	Score	.8
Exons	54..248, 379..537, 590..856		
Seq. No.	6149	Seq. ID	OJ990923_14.0228.C40
Gene No.	12960	Strand	-
Start	17	End	139
Name	OJ990923_14.0228.C40.o1.gs	Method	GENSCAN
Start	17	End	139
GI	none	Score	.48
Exons	17..139		

Seq. No.	6150	Seq. ID	OJ990923_14.0228.C41
Gene No.	12961	Strand	+
Start	333	End	449
Name	OJ990923_14.0228.C41.o1.gs	Method	GENSCAN
Start	333	End	449
GI	none	Score	.46
Exons	333..449		

Seq. No.	6151	Seq. ID	OJ990923_14.0228.C43
Gene No.	12962	Strand	+
Start	592	End	1029
Name	OJ990923_14.0228.C43.o1.gs	Method	GENSCAN
Start	592	End	1029
GI	none	Score	.54
Exons	592..781, 917..1029		

Seq. No.	6152	Seq. ID	OJ990923_14.0228.C44
Gene No.	12963	Strand	+
Start	624	End	1877
Name	OJ990923_14.0228.C44.o1.gs	Method	GENSCAN
Start	624	End	1877
GI	none	Score	.73
Exons	624..739, 900..1044, 1329..1465, 1616..1877		

Seq. No.	6152	Seq. ID	OJ990923_14.0228.C44
Gene No.	12964	Strand	-
Start	1469	End	1909
Name	OJ990923_14.0228.C44.o1.np	Method	AAT/NAP
Start	1469	End	1909
GI	5042454	Score	68
Exons	1469..1536, 1886..1909		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6153	Seq. ID	OJ990923_14.0228.C46
Gene No.	12965	Strand	
Start	10	End	377
Name	OJ990923_14.0228.C46.o1.tm	Method	TBLASTX:Maize
Start	10	End	377
GI	none	Score	210
Exons	10..204, 11..367, 60..326, 134..334, 256..342, 330..368, 332..376, 333..377		

Seq. No.	6154	Seq. ID	OJ990923_14.0228.C47
Gene No.	12966	Strand	+
Start	141	End	515
Name	OJ990923_14.0228.C47.o1.gp	Method	AAT/GAP
Start	141	End	515
GI	uC-osflcyp033a04b1	Score	614
Exons	141..515		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6154	Seq. ID	OJ990923_14.0228.C47
Gene No.	12967	Strand	+
Start	2774	End	3672
Name	OJ990923_14.0228.C47.o2.gs	Method	GENSCAN
Start	2774	End	3160

GI	none	Score	.98
Exons	2774..3160		

Seq. No.	6154	Seq. ID	OJ990923_14.0228.C47
Gene No.	12967	Strand	+
Start	2774	End	3672
Name	OJ990923_14.0228.C47.o2.np	Method	AAT/NAP
Start	2774	End	3672
GI	5902444	Score	437
Exons	2774..3208, 3652..3672		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6154	Seq. ID	OJ990923_14.0228.C47
Gene No.	12968	Strand	-
Start	71	End	1309
Name	OJ990923_14.0228.C47.o1.gs	Method	GENSCAN
Start	71	End	1270
GI	none	Score	.57
Exons	71..272, 371..424, 562..679, 961..1035, 1117..1270		

Seq. No.	6154	Seq. ID	OJ990923_14.0228.C47
Gene No.	12968	Strand	-
Start	71	End	1309
Name	OJ990923_14.0228.C47.o1.np	Method	AAT/NAP
Start	561	End	1309
GI	6815052	Score	542
Exons	561..679, 961..1035, 1117..1309		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	6155	Seq. ID	OJ990923_14.0228.C49
Gene No.	12969	Strand	+
Start	813	End	914
Name	OJ990923_14.0228.C49.o1.gs	Method	GENSCAN
Start	813	End	914
GI	none	Score	.53
Exons	813..914		

Seq. No.	6155	Seq. ID	OJ990923_14.0228.C49
Gene No.	12970	Strand	-
Start	1305	End	1381
Name	OJ990923_14.0228.C49.o1.gp	Method	AAT/GAP
Start	1305	End	1381
GI	4715767	Score	124
Exons	1305..1381		
GI Descrip.	6006355/dbj|AP000559.1|AP000559 1.0e-17 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12971	Strand	-
Start	872	End	4649
Name	OJ990923_14.0228.C50.o1.gs	Method	GENSCAN
Start	872	End	4649
GI	none	Score	.6
Exons	872..981, 1148..2183, 2407..2747, 2847..3249, 3361..3563, 4346..4557, 4572..4649		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50

Gene No.	12971	Strand	-
Start	872	End	4649
Name	OJ990923_14.0228.C50.o1.np	Method	AAT/NAP
Start	1150	End	3556
GI	6561973	Score	823
Exons	1150..1419, 1639..1950, 2432..2622, 2683..2747, 2847..3249, 3361..3391, 3458..3556		
GI Descrip.	(AL132979) zinc finger protein [Arabidopsis thaliana]		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12971	Strand	-
Start	872	End	4649
Name	OJ990923_14.0228.C50.o1.gp	Method	AAT/GAP
Start	1865	End	2632
GI	none	Score	972
Exons	1865..2183, 2407..2632		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12972	Strand	-
Start	6079	End	7863
Name	OJ990923_14.0228.C50.o2.tm	Method	TBLASTX:Maize
Start	1759	End	2189
GI	none	Score	70
Exons	1759..1851, 1760..1852, 1810..1908, 1912..2184, 1914..2126, 2025..2189		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12972	Strand	-
Start	6079	End	7863
Name	OJ990923_14.0228.C50.o1.tc	Method	TBLASTX:Cress
Start	2687	End	3391
GI	none	Score	88
Exons	2687..2749, 2846..2953, 2847..2969, 2951..3067, 2952..3068, 3113..3172, 3141..3173, 3167..3250, 3168..3248, 3350..3391		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12972	Strand	-
Start	6079	End	7863
Name	OJ990923_14.0228.C50.o1.tm	Method	TBLASTX:Maize
Start	2705	End	3254
GI	none	Score	56
Exons	2705..2749, 2708..2749, 2846..3253, 2847..3254		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12972	Strand	-
Start	6079	End	7863
Name	OJ990923_14.0228.C50.o1.ts	Method	TBLASTX:Soybean
Start	2867	End	3208
GI	none	Score	164
Exons	2867..3067, 2868..3056, 3113..3208, 3117..3206		

Seq. No.	6156	Seq. ID	OJ990923_14.0228.C50
Gene No.	12972	Strand	-
Start	6079	End	7863
Name	OJ990923_14.0228.C50.o2.gs	Method	GENSCAN
Start	6079	End	7863
GI	none	Score	.49

Exons	6079..6171, 7729..7863		
Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o1.gs	Method	GENSCAN
Start	693	End	11358
GI	none	Score	.68
Exons	693..953, 1247..1411, 2132..2254, 2409..2582, 3250..3322, 4081..4174, 4517..4622, 5300..5393, 5471..5552, 5751..5864, 6091..6220, 6300..6408, 7473..7609, 7839..8053, 8916..9023, 11256..11358		
Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o1.gp	Method	AAT/GAP
Start	1108	End	2463
GI	none	Score	776
Exons	1108..1384, 2132..2254, 2409..2463		
Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o3.tm	Method	TBLASTX:Maize
Start	1218	End	3335
GI	none	Score	217
Exons	1218..1412, 1223..1387, 1224..1391, 2109..2255, 2124..2255, 2132..2263, 2132..2257, 2392..2583, 2406..2582, 2409..2594, 3214..3333, 3248..3334, 3249..3335		
Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o4.ts	Method	TBLASTX:Soybean
Start	1223	End	1376
GI	none	Score	120
Exons	1223..1375, 1251..1376		
Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o2.tc	Method	TBLASTX:Cress
Start	1229	End	1388
GI	none	Score	156
Exons	1229..1387, 1230..1388		
Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o2.ts	Method	TBLASTX:Soybean
Start	2112	End	2552
GI	none	Score	136
Exons	2112..2240, 2130..2255, 2131..2241, 2132..2257, 2392..2550, 2406..2552		
Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51

Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o1.tm	Method	TBLASTX:Maize
Start	4078	End	5739
GI	none	Score	159
Exons	4078..4176, 4081..4170, 4083..4181, 4514..4573, 4515..4589, 4515..4574, 4516..4590, 4517..4591, 4588..4623, 4589..4627, 4590..4640, 5300..5404, 5301..5393, 5473..5553, 5474..5554, 5629..5739, 5636..5737		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o1.ts	Method	TBLASTX:Soybean
Start	4506	End	5758
GI	none	Score	44
Exons	4506..4574, 4593..4640, 5300..5398, 5301..5393, 5473..5553, 5489..5554, 5629..5757, 5636..5758		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o3.gp	Method	AAT/GAP
Start	5249	End	5769
GI	29315_1.R1084	Score	515
Exons	5249..5393, 5471..5552, 5634..5769		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 1.0e-17 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o2.gp	Method	AAT/GAP
Start	5300	End	5692
GI	29315_1.R1084	Score	371
Exons	5300..5393, 5471..5552, 5634..5692		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 1.0e-17 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o1.tc	Method	TBLASTX:Cress
Start	7271	End	7898
GI	none	Score	93
Exons	7271..7384, 7272..7385, 7466..7528, 7467..7523, 7532..7609, 7533..7604, 7833..7898		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o3.ts	Method	TBLASTX:Soybean
Start	7271	End	8042
GI	none	Score	39
Exons	7271..7318, 7312..7347, 7314..7397, 7316..7348, 7346..7381, 7465..7590, 7470..7604, 7475..7609, 7833..7946, 7843..7950, 7971..8042, 8008..8031		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o2.tm	Method	TBLASTX:Maize
Start	7556	End	9037
GI	none	Score	97
Exons	7556..7612, 7558..7608, 7833..8057, 7834..7971, 7837..8058, 7886..8059, 8008..8064, 8870..8974, 8870..9037		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o4.gp	Method	AAT/GAP
Start	7854	End	9119
GI	2428077	Score	705
Exons	7854..8050, 8916..9119		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o5.gp	Method	AAT/GAP
Start	9760	End	10048
GI	3762751	Score	534
Exons	9760..10048		

Seq. No.	6157	Seq. ID	OJ990923_14.0228.C51
Gene No.	12973	Strand	-
Start	693	End	11358
Name	OJ990923_14.0228.C51.o6.gp	Method	AAT/GAP
Start	10692	End	10984
GI	2442618	Score	525
Exons	10692..10984		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12974	Strand	+
Start	2007	End	6415
Name	OJ990923_14.0228.C52.o1.gs	Method	GENSCAN
Start	2007	End	6415
GI	none	Score	.51
Exons	2007..2253, 2276..2629, 3105..3201, 4094..4293, 6117..6202, 6326..6415		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12975	Strand	-
Start	1	End	4075
Name	OJ990923_14.0228.C52.o1.np	Method	AAT/NAP
Start	1	End	4075
GI	6755382	Score	1063
Exons	1..454, 1968..2270, 2298..2572, 4054..4075		
GI Descrip.	RuvB-like protein 2 gi|4521249|dbj|BAA76297.1| (AB013912) DNA helicase [Mus musculus]		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12976	Strand	-
Start	7107	End	9267
Name	OJ990923_14.0228.C52.o1.tm	Method	TBLASTX:Maize

Start	2	End	447
GI	none	Score	61
Exons	2..85, 3..62, 60..305, 68..301, 302..442, 303..332, 304..447, 305..442, 390..446		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12976	Strand	-
Start	7107	End	9267
Name	OJ990923_14.0228.C52.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2165
GI	none	Score	50
Exons	2..55, 3..56, 68..241, 90..242, 242..301, 246..305, 302..457, 304..459, 305..457, 1967..1999, 1995..2066, 1999..2058, 2093..2164, 2094..2165		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12976	Strand	-
Start	7107	End	9267
Name	OJ990923_14.0228.C52.o2.tm	Method	TBLASTX:Maize
Start	1967	End	2484
GI	none	Score	48
Exons	1967..1999, 1971..2000, 1995..2114, 1996..2091, 2093..2164, 2094..2165, 2165..2209, 2166..2288, 2167..2298, 2181..2270, 2266..2418, 2376..2417, 2413..2484, 2418..2483		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12976	Strand	-
Start	7107	End	9267
Name	OJ990923_14.0228.C52.o2.ts	Method	TBLASTX:Soybean
Start	2371	End	2574
GI	none	Score	56
Exons	2371..2418, 2376..2417, 2416..2574, 2418..2573		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12976	Strand	-
Start	7107	End	9267
Name	OJ990923_14.0228.C52.o1.tc	Method	TBLASTX:Cress
Start	2416	End	2574
GI	none	Score	143
Exons	2416..2574, 2418..2573		

Seq. No.	6158	Seq. ID	OJ990923_14.0228.C52
Gene No.	12976	Strand	-
Start	7107	End	9267
Name	OJ990923_14.0228.C52.o2.gs	Method	GENSCAN
Start	7107	End	9267
GI	none	Score	.66
Exons	7107..7291, 7697..7758, 9060..9267		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12977	Strand	+
Start	1	End	3089
Name	OJ990923_14.0228.C53.o1.np	Method	AAT/NAP
Start	1	End	2508
GI	6143887	Score	732
Exons	1..307, 1522..1683, 2152..2508		
GI Descrip.	(AC010718) unknown protein [Arabidopsis thaliana]		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12977	Strand	+
Start	1	End	3089
Name	OJ990923_14.0228.C53.o1.gp	Method	AAT/GAP
Start	107	End	231
GI	569509	Score	232
Exons	107..231		
GI Descrip.	4538911/emb|CAB39648.1| 2.0e-18 (AL049482) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12977	Strand	+
Start	1	End	3089
Name	OJ990923_14.0228.C53.o1.gs	Method	GENSCAN
Start	122	End	3089
GI	none	Score	.72
Exons	122..307, 1522..1683, 2152..2460, 2791..2952, 2967..3089		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12977	Strand	+
Start	1	End	3089
Name	OJ990923_14.0228.C53.o2.gp	Method	AAT/GAP
Start	2152	End	2805
GI	55494_1.R1084	Score	1194
Exons	2152..2805		
GI Descrip.	'5042155/emb|CAB44674.1| 1.0e-12 (AL078620) putative protein [Arabidopsis thaliana]'		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12978	Strand	+
Start	5599	End	7005
Name	OJ990923_14.0228.C53.o2.gs	Method	GENSCAN
Start	5599	End	7005
GI	none	Score	.7
Exons	5599..6276, 6583..7005		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12978	Strand	+
Start	5599	End	7005
Name	OJ990923_14.0228.C53.o2.np	Method	AAT/NAP
Start	5770	End	7002
GI	6277254	Score	973
Exons	5770..6276, 6583..7002		
GI Descrip.	(AB034249) geranylgeranyl pyrophosphate synthase [Croton sublyratus]		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12978	Strand	+
Start	5599	End	7005
Name	OJ990923_14.0228.C53.o3.gp	Method	AAT/GAP
Start	6581	End	6946
GI	LIB3432-039-P1-K1-F12	Score	706
Exons	6581..6946		
GI Descrip.	'3885426 3.0e-48 (AF020041) geranylgeranyl pyrophosphate synthase [Helianthus annuus]'		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12979	Strand	+
Start	11414	End	11817
Name	OJ990923_14.0228.C53.o4.gp	Method	AAT/GAP
Start	11414	End	11817
GI	5038679	Score	736
Exons	11414..11817		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o3.tc	Method	TBLASTX:Cress
Start	89	End	1602
GI	none	Score	64
Exons	89..307, 90..173, 103..318, 107..310, 1524..1601, 1525..1602		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o1.tm	Method	TBLASTX:Maize
Start	90	End	2553
GI	none	Score	290
Exons	90..179, 104..307, 107..307, 1521..1682, 1522..1683, 1523..1684, 2152..2439, 2154..2417, 2406..2513, 2412..2513, 2431..2553, 2513..2548, 2526..2552		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o2.ts	Method	TBLASTX:Soybean
Start	221	End	2514
GI	none	Score	96
Exons	221..286, 223..285, 1522..1680, 1524..1682, 2151..2369, 2155..2514, 2157..2384		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o2.tc	Method	TBLASTX:Cress
Start	2191	End	2532
GI	none	Score	309
Exons	2191..2532, 2191..2373, 2193..2384		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o1.tc	Method	TBLASTX:Cress
Start	5788	End	7049
GI	none	Score	74
Exons	5788..5868, 5869..6162, 5907..6149, 6204..6278, 6205..6291, 6618..7049, 6619..7005		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o4.tm	Method	TBLASTX:Maize
Start	5788	End	6033

GI	none	Score	205
Exons	5788..6033, 5889..6023		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o1.ts	Method	TBLASTX:Soybean
Start	6013	End	7005
GI	none	Score	146
Exons	6013..6162, 6015..6134, 6204..6278, 6205..6285, 6618..7001, 6619..7005		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o3.tm	Method	TBLASTX:Maize
Start	6102	End	6632
GI	none	Score	272
Exons	6102..6278, 6103..6285, 6576..6632, 6577..6630		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o2.tm	Method	TBLASTX:Maize
Start	6649	End	7003
GI	none	Score	476
Exons	6649..7002, 6654..6998, 6665..7003		

Seq. No.	6159	Seq. ID	OJ990923_14.0228.C53
Gene No.	12980	Strand	-
Start	10406	End	13900
Name	OJ990923_14.0228.C53.o3.gs	Method	GENSCAN
Start	10406	End	13900
GI	none	Score	.73
Exons	10406..10833, 10868..10963, 11972..12091, 12626..12730, 13786..13900		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12981	Strand	+
Start	226	End	4461
Name	OJ990923_14.0228.C54.o1.gs	Method	GENSCAN
Start	226	End	3434
GI	none	Score	.78
Exons	226..2307, 2313..3434		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12981	Strand	+
Start	226	End	4461
Name	OJ990923_14.0228.C54.o1.np	Method	AAT/NAP
Start	404	End	4461
GI	6862939	Score	1069
Exons	404..2930, 2976..3368, 4408..4461		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12982	Strand	+
Start	6975	End	8650

Name	OJ990923_14.0228.C54.o3.gs	Method	GENSCAN
Start	6975	End	8650
GI	none	Score	.56
Exons	6975..8650		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12983	Strand	-
Start	5324	End	6532
Name	OJ990923_14.0228.C54.o2.ts	Method	TBLASTX:Soybean
Start	2104	End	2322
GI	none	Score	195
Exons	2104..2322, 2172..2318		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12983	Strand	-
Start	5324	End	6532
Name	OJ990923_14.0228.C54.o1.ts	Method	TBLASTX:Soybean
Start	3030	End	3326
GI	none	Score	182
Exons	3030..3173, 3041..3151, 3237..3326		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12983	Strand	-
Start	5324	End	6532
Name	OJ990923_14.0228.C54.o2.gs	Method	GENSCAN
Start	5324	End	6532
GI	none	Score	.93
Exons	5324..6532		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12983	Strand	-
Start	5324	End	6532
Name	OJ990923_14.0228.C54.o2.np	Method	AAT/NAP
Start	5327	End	6532
GI	5103193	Score	2115
Exons	5327..6532		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	6160	Seq. ID	OJ990923_14.0228.C54
Gene No.	12984	Strand	
Start	6492	End	6642
Name	OJ990923_14.0228.C54.o1.tc	Method	TBLASTX:Cress
Start	6492	End	6642
GI	none	Score	177
Exons	6492..6611, 6492..6611, 6493..6642, 6494..6637		

Seq. No.	6161	Seq. ID	OJ990923_14.0228.C55
Gene No.	12985	Strand	-
Start	642	End	679
Name	OJ990923_14.0228.C55.o1.gs	Method	GENSCAN
Start	642	End	679
GI	none	Score	.51
Exons	642..679		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58

Gene No.	12986	Strand	+
Start	203	End	1651
Name	OJ990923_14.0228.C58.o1.gs	Method	GENSCAN
Start	203	End	1651
GI	none	Score	.94
Exons	203..378, 805..1651		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58
Gene No.	12987	Strand	-
Start	1847	End	4172
Name	OJ990923_14.0228.C58.o2.gs	Method	GENSCAN
Start	1847	End	4053
GI	none	Score	.93
Exons	1847..2485, 2569..3426, 3442..4053		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58
Gene No.	12987	Strand	-
Start	1847	End	4172
Name	OJ990923_14.0228.C58.o1.np	Method	AAT/NAP
Start	2229	End	4172
GI	4206306	Score	1670
Exons	2229..4172		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58
Gene No.	12987	Strand	-
Start	1847	End	4172
Name	OJ990923_14.0228.C58.o3.tw	Method	TBLASTX:Wheat
Start	2282	End	2713
GI	none	Score	114
Exons	2282..2512, 2289..2456, 2512..2712, 2513..2713		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58
Gene No.	12987	Strand	-
Start	1847	End	4172
Name	OJ990923_14.0228.C58.o4.tw	Method	TBLASTX:Wheat
Start	2713	End	2904
GI	none	Score	73
Exons	2713..2904, 2767..2892		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58
Gene No.	12987	Strand	-
Start	1847	End	4172
Name	OJ990923_14.0228.C58.o1.ts	Method	TBLASTX:Soybean
Start	2963	End	3363
GI	none	Score	61
Exons	2963..3055, 2980..3363, 3170..3313		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58
Gene No.	12987	Strand	-
Start	1847	End	4172
Name	OJ990923_14.0228.C58.o2.tw	Method	TBLASTX:Wheat
Start	2989	End	3408
GI	none	Score	198
Exons	2989..3408, 3095..3355		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58

Gene No.	12987	Strand	-
Start	1847	End	4172
Name	OJ990923_14.0228.C58.o2.tm	Method	TBLASTX:Maize
Start	3082	End	3465
GI	none	Score	196
Exons	3082..3465, 3095..3355, 3336..3419		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58
Gene No.	12987	Strand	-
Start	1847	End	4172
Name	OJ990923_14.0228.C58.o1.tm	Method	TBLASTX:Maize
Start	3493	End	3850
GI	none	Score	247
Exons	3493..3849, 3494..3850		

Seq. No.	6162	Seq. ID	OJ990923_14.0228.C58
Gene No.	12987	Strand	-
Start	1847	End	4172
Name	OJ990923_14.0228.C58.o1.tw	Method	TBLASTX:Wheat
Start	3523	End	3951
GI	none	Score	277
Exons	3523..3951, 3524..3919, 3649..3735		

Seq. No.	6163	Seq. ID	OJ990923_14.0228.C59
Gene No.	12988	Strand	-
Start	11	End	605
Name	OJ990923_14.0228.C59.o1.gs	Method	GENSCAN
Start	11	End	605
GI	none	Score	.95
Exons	11..605		

Seq. No.	6164	Seq. ID	OJ990923_14.0228.C60
Gene No.	12989	Strand	+
Start	634	End	663
Name	OJ990923_14.0228.C60.o1.gs	Method	GENSCAN
Start	634	End	663
GI	none	Score	.44
Exons	634..663		

Seq. No.	6165	Seq. ID	OJ990923_14.0228.C62
Gene No.	12990	Strand	+
Start	1	End	1350
Name	OJ990923_14.0228.C62.o1.np	Method	AAT/NAP
Start	1	End	1350
GI	1076360	Score	324
Exons	1..115, 299..574, 673..786, 1320..1350		
GI Descrip.	oleoyl-[acyl-carrier-protein] hydrolase (EC 3.1.2.14) - Arabidopsis thaliana gi|2129530|pir||S69195 acyl-(acyl carrier protein) thioesterase (clone TE 1-1) - Arabidopsis thaliana gi|634003|emb|CAA85387| (Z36910) acyl-(acyl carrier protein) thioesterase [Arabidopsis thaliana]		

Seq. No.	6165	Seq. ID	OJ990923_14.0228.C62
Gene No.	12990	Strand	+
Start	1	End	1350
Name	OJ990923_14.0228.C62.o1.gs	Method	GENSCAN
Start	49	End	786

GI	none	Score	.48
Exons	49..115, 172..661, 673..786		
Seq. No.	6165	Seq. ID	OJ990923_14.0228.C62
Gene No.	12990	Strand	+
Start	1	End	1350
Name	OJ990923_14.0228.C62.o1.tw	Method	TBLASTX:Wheat
Start	281	End	575
GI	none	Score	239
Exons	281..442, 282..440, 438..575,	440..568, 510..575	
Seq. No.	6165	Seq. ID	OJ990923_14.0228.C62
Gene No.	12990	Strand	+
Start	1	End	1350
Name	OJ990923_14.0228.C62.o1.tc	Method	TBLASTX:Cress
Start	311	End	786
GI	none	Score	280
Exons	311..574, 312..575, 673..786,	674..784	
Seq. No.	6165	Seq. ID	OJ990923_14.0228.C62
Gene No.	12990	Strand	+
Start	1	End	1350
Name	OJ990923_14.0228.C62.o1.tm	Method	TBLASTX:Maize
Start	311	End	786
GI	none	Score	261
Exons	311..559, 312..575, 673..786,	674..784	
Seq. No.	6165	Seq. ID	OJ990923_14.0228.C62
Gene No.	12990	Strand	+
Start	1	End	1350
Name	OJ990923_14.0228.C62.o1.ts	Method	TBLASTX:Soybean
Start	312	End	786
GI	none	Score	281
Exons	312..575, 314..571, 673..786,	674..784	
Seq. No.	6166	Seq. ID	OJ990923_14.0228.C63
Gene No.	12991	Strand	-
Start	623	End	783
Name	OJ990923_14.0228.C63.o1.np	Method	AAT/NAP
Start	623	End	783
GI	5852084	Score	79
Exons	623..783		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	6167	Seq. ID	OJ990923_14.0228.C64
Gene No.	12992	Strand	+
Start	1	End	895
Name	OJ990923_14.0228.C64.o1.np	Method	AAT/NAP
Start	1	End	895
GI	6957729	Score	206
Exons	1..64, 609..895		
GI Descrip.	(AC021640) putative tyrosyl-tRNA synthetase [Arabidopsis thaliana]		
Seq. No.	6167	Seq. ID	OJ990923_14.0228.C64
Gene No.	12992	Strand	+
Start	1	End	895

Name	OJ990923_14.0228.C64.o1.gs	Method	GENSCAN
Start	550	End	871
GI	none	Score	.79
Exons	550..871		

Seq. No.	6167	Seq. ID	OJ990923_14.0228.C64
Gene No.	12992	Strand	+
Start	1	End	895
Name	OJ990923_14.0228.C64.o1.gp	Method	AAT/GAP
Start	551	End	895
GI	uC-osf1M202066h10b1	Score	670
Exons	551..895		
GI Descrip.	'4680649/gb|AAD27714.1|AF132939_1 9.0e-11 (AF132939) CGI-04 protein [Homo sapiens]'		

Seq. No.	6168	Seq. ID	OJ990923_14.0228.C66
Gene No.	12993	Strand	-
Start	1639	End	1760
Name	OJ990923_14.0228.C66.o1.np	Method	AAT/NAP
Start	1639	End	1760
GI	6498436	Score	162
Exons	1639..1760		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	6169	Seq. ID	OJ990923_14.0228.C67
Gene No.	12994	Strand	+
Start	325	End	477
Name	OJ990923_14.0228.C67.o1.gs	Method	GENSCAN
Start	325	End	477
GI	none	Score	.74
Exons	325..477		

Seq. No.	6170	Seq. ID	OJ990923_14.0228.C68
Gene No.	12995	Strand	+
Start	34	End	901
Name	OJ990923_14.0228.C68.o1.np	Method	AAT/NAP
Start	34	End	901
GI	5902448	Score	438
Exons	34..901		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	6170	Seq. ID	OJ990923_14.0228.C68
Gene No.	12995	Strand	+
Start	34	End	901
Name	OJ990923_14.0228.C68.o1.gs	Method	GENSCAN
Start	88	End	548
GI	none	Score	.63
Exons	88..339, 408..548		

Seq. No.	6171	Seq. ID	OJ990923_14.0228.C70
Gene No.	12996	Strand	-
Start	445	End	850
Name	OJ990923_14.0228.C70.o1.gp	Method	AAT/GAP
Start	445	End	850
GI	none	Score	750
Exons	445..850		

Seq. No.	6172	Seq. ID	OJ990923_14.0228.C71
Gene No.	12997	Strand	+
Start	507	End	713
Name	OJ990923_14.0228.C71.o1.gs	Method	GENSCAN
Start	507	End	713
GI	none	Score	.49
Exons	507..713		

Seq. No.	6173	Seq. ID	OJ990923_14.0228.C72
Gene No.	12998	Strand	-
Start	1	End	811
Name	OJ990923_14.0228.C72.o1.tm	Method	TBLASTX:Maize
Start	1	End	811
GI	none	Score	246
Exons	1..219, 2..226, 116..223, 419..556, 419..595, 523..588, 698..769, 699..770, 710..769, 721..789, 784..810, 785..811		

Seq. No.	6173	Seq. ID	OJ990923_14.0228.C72
Gene No.	12998	Strand	-
Start	1	End	811
Name	OJ990923_14.0228.C72.o1.gp	Method	AAT/GAP
Start	1	End	712
GI	696_1.R1084	Score	1005
Exons	1..219, 337..712		
GI Descrip.	'584681/sp|Q07215|1A11_ORYSA 0.0e+00 1-AMINOCYCLOPROPANE-1-CARBOXYLATE SYNTHASE 1 (ACC SYNTHASE 1) (S-ADENOSYL-L-METHIONINE METHYLTHIOADENOSINE-LYASE 1) >gi_294702 (M96672) 1-aminocyclopropane-1-carboxylate synthase [Oryza sativa]'		

Seq. No.	6173	Seq. ID	OJ990923_14.0228.C72
Gene No.	12998	Strand	-
Start	1	End	811
Name	OJ990923_14.0228.C72.o1.ts	Method	TBLASTX:Soybean
Start	1	End	582
GI	none	Score	239
Exons	1..219, 2..247, 337..483, 535..582		

Seq. No.	6173	Seq. ID	OJ990923_14.0228.C72
Gene No.	12998	Strand	-
Start	1	End	811
Name	OJ990923_14.0228.C72.o1.tc	Method	TBLASTX:Cress
Start	1	End	582
GI	none	Score	192
Exons	1..219, 2..160, 4..210, 119..223, 197..247, 337..453, 448..582		

Seq. No.	6173	Seq. ID	OJ990923_14.0228.C72
Gene No.	12998	Strand	-
Start	1	End	811
Name	OJ990923_14.0228.C72.o1.np	Method	AAT/NAP
Start	1	End	582
GI	131388	Score	585
Exons	1..219, 337..582		
GI Descrip.	OXYGEN-EVOLVING ENHANCER PROTEIN 1 PRECURSOR (OEE1) (33 KD SUBUNIT OF OXYGEN EVOLVING SYSTEM OF PHOTOSYSTEM II) (33 KD THYLAKOID MEMBRANE PROTEIN) gi|100831|pir||S16260 photosystem II oxygen-evolving complex protein 1 - common wheat x Sanduri wheat		

gi|21844|emb|CAA40670| (X57408) 33kDa oxygen evolving protein of photosystem II [Triticum aestivum]

Seq. No.	6173	Seq. ID	OJ990923_14.0228.C72
Gene No.	12998	Strand	-
Start	1	End	811
Name	OJ990923_14.0228.C72.o1.gs	Method	GENSCAN
Start	16	End	582
GI	none	Score	.73
Exons	16..219, 337..582		

Seq. No.	6174	Seq. ID	OJ990923_14.0228.C73
Gene No.	12999	Strand	+
Start	1	End	1411
Name	OJ990923_14.0228.C73.o1.np	Method	AAT/NAP
Start	1	End	1411
GI	4929312	Score	292
Exons	1..23, 1166..1411		
GI Descrip.	(AF145045) TATC [Arabidopsis thaliana]		

Seq. No.	6174	Seq. ID	OJ990923_14.0228.C73
Gene No.	12999	Strand	+
Start	1	End	1411
Name	OJ990923_14.0228.C73.o1.gs	Method	GENSCAN
Start	395	End	1362
GI	none	Score	.61
Exons	395..542, 1136..1362		

Seq. No.	6174	Seq. ID	OJ990923_14.0228.C73
Gene No.	12999	Strand	+
Start	1	End	1411
Name	OJ990923_14.0228.C73.o1.gp	Method	AAT/GAP
Start	1135	End	1264
GI	none	Score	232
Exons	1135..1264		

Seq. No.	6174	Seq. ID	OJ990923_14.0228.C73
Gene No.	13000	Strand	-
Start	1320	End	1411
Name	OJ990923_14.0228.C73.o1.tm	Method	TBLASTX:Maize
Start	1168	End	1410
GI	none	Score	370
Exons	1168..1410, 1171..1410		

Seq. No.	6174	Seq. ID	OJ990923_14.0228.C73
Gene No.	13000	Strand	-
Start	1320	End	1411
Name	OJ990923_14.0228.C73.o2.gp	Method	AAT/GAP
Start	1320	End	1411
GI	1191_1.R1084	Score	115
Exons	1320..1411		
GI Descrip.	'4929312/gb|AAD33946.1|AF145045_1 1.0e-71 (AF145045) TATC [Arabidopsis thaliana]'		

Seq. No.	6175	Seq. ID	OJ990923_14.0228.C74
Gene No.	13001	Strand	+
Start	1	End	514

Name	OJ990923_14.0228.C74.o1.np	Method	AAT/NAP
Start	1	End	514
GI	4929312	Score	296
Exons	1..92, 303..514		
GI Descrip.	(AF145045) TATC [Arabidopsis thaliana]		

Seq. No.	6175	Seq. ID	OJ990923_14.0228.C74
Gene No.	13002	Strand	-
Start	279	End	610
Name	OJ990923_14.0228.C74.o1.gp	Method	AAT/GAP
Start	279	End	610
GI	1191_1.R1084	Score	558
Exons	279..610		
GI Descrip.	'4929312/gb|AAD33946.1|AF145045_1 1.0e-71 (AF145045) TATC [Arabidopsis thaliana]'		

Seq. No.	6175	Seq. ID	OJ990923_14.0228.C74
Gene No.	13002	Strand	-
Start	279	End	610
Name	OJ990923_14.0228.C74.o1.gs	Method	GENSCAN
Start	323	End	472
GI	none	Score	.48
Exons	323..472		

Seq. No.	6175	Seq. ID	OJ990923_14.0228.C74
Gene No.	13002	Strand	-
Start	279	End	610
Name	OJ990923_14.0228.C74.o1.tm	Method	TBLASTX:Maize
Start	348	End	523
GI	none	Score	58
Exons	348..383, 349..513, 356..523		

Seq. No.	6176	Seq. ID	OJ990923_14.0228.C76
Gene No.	13003	Strand	+
Start	45	End	253
Name	OJ990923_14.0228.C76.o1.gs	Method	GENSCAN
Start	45	End	253
GI	none	Score	.75
Exons	45..253		

Seq. No.	6177	Seq. ID	OJ990923_14.0228.C78
Gene No.	13004	Strand	-
Start	391	End	1633
Name	OJ990923_14.0228.C78.o1.gs	Method	GENSCAN
Start	391	End	1299
GI	none	Score	.61
Exons	391..1299		

Seq. No.	6177	Seq. ID	OJ990923_14.0228.C78
Gene No.	13004	Strand	-
Start	391	End	1633
Name	OJ990923_14.0228.C78.o1.np	Method	AAT/NAP
Start	410	End	1633
GI	6016874	Score	425
Exons	410..763, 998..1154, 1542..1633		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9		

transposase. (P03010) [Oryza sativa]

Seq. No.	6177	Seq. ID	OJ990923_14.0228.C78
Gene No.	13004	Strand	-
Start	391	End	1633
Name	OJ990923_14.0228.C78.o1.tm	Method	TBLASTX:Maize
Start	460	End	709
GI	none	Score	242
Exons	460..705, 461..709		

Seq. No.	6177	Seq. ID	OJ990923_14.0228.C78
Gene No.	13004	Strand	-
Start	391	End	1633
Name	OJ990923_14.0228.C78.o1.ts	Method	TBLASTX:Soybean
Start	491	End	1242
GI	none	Score	90
Exons	491..694, 493..699, 1135..1242		

Seq. No.	6177	Seq. ID	OJ990923_14.0228.C78
Gene No.	13004	Strand	-
Start	391	End	1633
Name	OJ990923_14.0228.C78.o3.tm	Method	TBLASTX:Maize
Start	921	End	1288
GI	none	Score	38
Exons	921..1031, 935..1267, 940..1287, 1082..1288, 1084..1269		

Seq. No.	6177	Seq. ID	OJ990923_14.0228.C78
Gene No.	13004	Strand	-
Start	391	End	1633
Name	OJ990923_14.0228.C78.o2.tm	Method	TBLASTX:Maize
Start	1325	End	1611
GI	none	Score	83
Exons	1325..1423, 1327..1440, 1327..1425, 1429..1596, 1430..1609, 1432..1611		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13005	Strand	-
Start	1	End	1732
Name	OJ990923_14.0228.C79.o1.np	Method	AAT/NAP
Start	1	End	1732
GI	6016874	Score	196
Exons	1..81, 646..901, 1539..1732		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o2.tm	Method	TBLASTX:Maize
Start	434	End	820
GI	none	Score	64
Exons	434..472, 465..533, 467..529, 470..571, 545..619, 566..820, 598..819, 626..820		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-

Start	6702	End	8376
Name	OJ990923_14.0228.C79.o2.gs	Method	GENSCAN
Start	6702	End	7629
GI	none	Score	.99
Exons	6702..6995, 7084..7433, 7551..7629		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o2.np	Method	AAT/NAP
Start	6719	End	8376
GI	4218004	Score	274
Exons	6719..6876, 6914..6995, 7084..7428, 8296..8376		
GI Descrip.	(AC006135) putative homeodomain transcription factor [Arabidopsis thaliana]		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o1.tm	Method	TBLASTX:Maize
Start	6933	End	7329
GI	none	Score	64
Exons	6933..7004, 7067..7258, 7081..7329		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o1.ts	Method	TBLASTX:Soybean
Start	7081	End	7329
GI	none	Score	65
Exons	7081..7329, 7175..7249		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o1.tc	Method	TBLASTX:Cress
Start	7120	End	7329
GI	none	Score	74
Exons	7120..7329, 7175..7228		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o1.tw	Method	TBLASTX:Wheat
Start	7129	End	7329
GI	none	Score	76
Exons	7129..7329, 7175..7252		

Seq. No.	6178	Seq. ID	OJ990923_14.0228.C79
Gene No.	13006	Strand	-
Start	6702	End	8376
Name	OJ990923_14.0228.C79.o1.gp	Method	AAT/GAP
Start	7551	End	7833
GI	2311279	Score	498
Exons	7551..7833		

Seq. No.	6179	Seq. ID	OJ990923_14.0228.C80

Gene No.	13007	Strand	+
Start	2017	End	2423
Name	OJ990923_14.0228.C80.o2.gp	Method	AAT/GAP
Start	2017	End	2423
GI	LIB3432-059-P1-K1-D8	Score	702
Exons	2017..2423		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	6180	Seq. ID	OJ990903_13.0225.C1
Gene No.	13008	Strand	-
Start	23	End	118
Name	OJ990903_13.0225.C1.o1.gs	Method	GENSCAN
Start	23	End	118
GI	none	Score	.55
Exons	23..118		

Seq. No.	6180	Seq. ID	OJ990903_13.0225.C1
Gene No.	13009	Strand	-
Start	109	End	256
Name	OJ990903_13.0225.C1.o1.gp	Method	AAT/GAP
Start	109	End	256
GI	21474_1.R1084	Score	232
Exons	109..256		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6181	Seq. ID	OJ990903_13.0225.C2
Gene No.	13010	Strand	-
Start	1	End	1020
Name	OJ990903_13.0225.C2.o1.gp	Method	AAT/GAP
Start	1	End	1020
GI	none	Score	934
Exons	1..256, 675..857, 958..1020		

Seq. No.	6181	Seq. ID	OJ990903_13.0225.C2
Gene No.	13010	Strand	-
Start	1	End	1020
Name	OJ990903_13.0225.C2.o1.gs	Method	GENSCAN
Start	85	End	1018
GI	none	Score	.7
Exons	85..256, 675..857, 958..1018		

Seq. No.	6181	Seq. ID	OJ990903_13.0225.C2
Gene No.	13010	Strand	-
Start	1	End	1020
Name	OJ990903_13.0225.C2.o1.tm	Method	TBLASTX:Maize
Start	164	End	866
GI	none	Score	139
Exons	164..256, 164..259, 165..272, 674..703, 679..699, 710..811, 710..859, 723..866		

Seq. No.	6182	Seq. ID	OJ990903_13.0225.C4
Gene No.	13011	Strand	+
Start	1	End	965
Name	OJ990903_13.0225.C4.o1.np	Method	AAT/NAP
Start	1	End	942

GI	6437558	Score	332
Exons	1..249, 850..942		
GI Descrip.	(AC011623) putative ATPase (ISW2-like) [Arabidopsis thaliana]		

Seq. No.	6182	Seq. ID	OJ990903_13.0225.C4
Gene No.	13011	Strand	+
Start	1	End	965
Name	OJ990903_13.0225.C4.o1.tc	Method	TBLASTX:Cress
Start	19	End	249
GI	none	Score	200
Exons	19..150, 28..159, 142..249, 153..176		

Seq. No.	6182	Seq. ID	OJ990903_13.0225.C4
Gene No.	13011	Strand	+
Start	1	End	965
Name	OJ990903_13.0225.C4.o1.tm	Method	TBLASTX:Maize
Start	19	End	965
GI	none	Score	383
Exons	19..183, 28..249, 35..241, 841..960, 849..965, 856..960		

Seq. No.	6182	Seq. ID	OJ990903_13.0225.C4
Gene No.	13011	Strand	+
Start	1	End	965
Name	OJ990903_13.0225.C4.o1.ts	Method	TBLASTX:Soybean
Start	27	End	249
GI	none	Score	121
Exons	27..173, 28..249, 37..177, 39..182		

Seq. No.	6182	Seq. ID	OJ990903_13.0225.C4
Gene No.	13011	Strand	+
Start	1	End	965
Name	OJ990903_13.0225.C4.o1.gs	Method	GENSCAN
Start	40	End	960
GI	none	Score	.99
Exons	40..249, 850..960		

Seq. No.	6183	Seq. ID	OJ990903_13.0225.C6
Gene No.	13012	Strand	+
Start	196	End	735
Name	OJ990903_13.0225.C6.o1.gs	Method	GENSCAN
Start	196	End	735
GI	none	Score	.99
Exons	196..735		

Seq. No.	6183	Seq. ID	OJ990903_13.0225.C6
Gene No.	13012	Strand	+
Start	196	End	735
Name	OJ990903_13.0225.C6.o1.np	Method	AAT/NAP
Start	218	End	468
GI	6957706	Score	133
Exons	218..468		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6184	Seq. ID	OJ990903_13.0225.C7
Gene No.	13013	Strand	+
Start	1	End	658
Name	OJ990903_13.0225.C7.o1.np	Method	AAT/NAP

Start	1	End	658
GI	6815062	Score	735
Exons	1..30, 96..383, 477..658		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	6184	Seq. ID	OJ990903_13.0225.C7
Gene No.	13013	Strand	+
Start	1	End	658
Name	OJ990903_13.0225.C7.o1.gs	Method	GENSCAN
Start	103	End	373
GI	none	Score	.87
Exons	103..373		

Seq. No.	6184	Seq. ID	OJ990903_13.0225.C7
Gene No.	13013	Strand	+
Start	1	End	658
Name	OJ990903_13.0225.C7.o1.tm	Method	TBLASTX:Maize
Start	211	End	588
GI	none	Score	218
Exons	211..396, 213..389, 481..564, 559..588		

Seq. No.	6185	Seq. ID	OJ990903_13.0225.C8
Gene No.	13014	Strand	+
Start	1	End	354
Name	OJ990903_13.0225.C8.o1.np	Method	AAT/NAP
Start	1	End	354
GI	6815062	Score	299
Exons	1..36, 136..354		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	6186	Seq. ID	OJ990903_13.0225.C9
Gene No.	13015	Strand	-
Start	334	End	761
Name	OJ990903_13.0225.C9.o1.gs	Method	GENSCAN
Start	334	End	761
GI	none	Score	.78
Exons	334..587, 669..761		

Seq. No.	6187	Seq. ID	OJ990903_13.0225.C10
Gene No.	13016	Strand	-
Start	1274	End	1674
Name	OJ990903_13.0225.C10.o1.gs	Method	GENSCAN
Start	1274	End	1674
GI	none	Score	.56
Exons	1274..1353, 1548..1674		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o1.np	Method	AAT/NAP
Start	1	End	1454
GI	5903104	Score	489
Exons	1..81, 379..1256, 1377..1454		

GI Descrip. (AC008017) Highly similar to non intermediate filament IFA binding protein [Arabidopsis thaliana] gi|6598866|gb|AAF18720.1|AC010556_16 (AC010556) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o1.gs	Method	GENSCAN
Start	49	End	1414
GI	none	Score	.58
Exons	49..1272, 1375..1414		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o3.tm	Method	TBLASTX:Maize
Start	151	End	447
GI	none	Score	301
Exons	151..252, 153..443, 154..447, 352..444		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o1.tm	Method	TBLASTX:Maize
Start	448	End	718
GI	none	Score	353
Exons	448..717, 454..600, 486..716, 590..718		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o1.ts	Method	TBLASTX:Soybean
Start	477	End	777
GI	none	Score	369
Exons	477..776, 481..777		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o1.tc	Method	TBLASTX:Cress
Start	481	End	771
GI	none	Score	66
Exons	481..552, 561..698, 562..771		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o2.ts	Method	TBLASTX:Soybean
Start	919	End	1248
GI	none	Score	323
Exons	919..1248, 937..1167, 1094..1207		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o2.tc	Method	TBLASTX:Cress

Start	919	End	1146
GI	none	Score	216
Exons	919..1146, 931..1146		

Seq. No.	6188	Seq. ID	OJ990903_13.0225.C11
Gene No.	13017	Strand	+
Start	1	End	1454
Name	OJ990903_13.0225.C11.o2.tm	Method	TBLASTX:Maize
Start	961	End	1430
GI	none	Score	50
Exons	961..999, 976..1008, 1003..1164, 1006..1227, 1016..1222, 1221..1274, 1228..1254, 1232..1282, 1392..1430		

Seq. No.	6189	Seq. ID	OJ990903_13.0225.C14
Gene No.	13018	Strand	+
Start	286	End	1875
Name	OJ990903_13.0225.C14.o1.gs	Method	GENSCAN
Start	286	End	1875
GI	none	Score	.63
Exons	286..372, 1073..1348, 1789..1875		

Seq. No.	6190	Seq. ID	OJ990903_13.0225.C16
Gene No.	13019	Strand	-
Start	127	End	468
Name	OJ990903_13.0225.C16.o1.gs	Method	GENSCAN
Start	127	End	468
GI	none	Score	.69
Exons	127..468		

Seq. No.	6191	Seq. ID	OJ990903_13.0225.C19
Gene No.	13020	Strand	+
Start	153	End	1296
Name	OJ990903_13.0225.C19.o1.gs	Method	GENSCAN
Start	153	End	1296
GI	none	Score	.83
Exons	153..336, 728..1296		

Seq. No.	6192	Seq. ID	OJ990903_13.0225.C20
Gene No.	13021	Strand	+
Start	1	End	1128
Name	OJ990903_13.0225.C20.o1.np	Method	AAT/NAP
Start	1	End	276
GI	6907106	Score	218
Exons	1..276		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6192	Seq. ID	OJ990903_13.0225.C20
Gene No.	13021	Strand	+
Start	1	End	1128
Name	OJ990903_13.0225.C20.o1.gs	Method	GENSCAN
Start	27	End	1128
GI	none	Score	.76
Exons	27..143, 294..366, 772..939, 1018..1128		

Seq. No.	6192	Seq. ID	OJ990903_13.0225.C20
Gene No.	13021	Strand	+

Start	1	End	1128
Name	OJ990903_13.0225.C20.o1.gp	Method	AAT/GAP
Start	152	End	494
GI	15591_1.R1084	Score	324
Exons	152..172, 264..494		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6193	Seq. ID	OJ990903_13.0225.C23
Gene No.	13022	Strand	+
Start	1	End	375
Name	OJ990903_13.0225.C23.o1.gp	Method	AAT/GAP
Start	1	End	375
GI	29916_1.R1084	Score	730
Exons	1..375		
GI Descrip.	'4314378/gb|AAD15588| 2.0e-65 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	6193	Seq. ID	OJ990903_13.0225.C23
Gene No.	13022	Strand	+
Start	1	End	375
Name	OJ990903_13.0225.C23.o1.gs	Method	GENSCAN
Start	243	End	323
GI	none	Score	.71
Exons	243..323		

Seq. No.	6194	Seq. ID	OJ990903_13.0225.C24
Gene No.	13023	Strand	+
Start	618	End	1124
Name	OJ990903_13.0225.C24.o1.gp	Method	AAT/GAP
Start	618	End	1124
GI	29916_1.R1084	Score	976
Exons	618..1124		
GI Descrip.	'4314378/gb|AAD15588| 2.0e-65 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	6194	Seq. ID	OJ990903_13.0225.C24
Gene No.	13023	Strand	+
Start	618	End	1124
Name	OJ990903_13.0225.C24.o1.np	Method	AAT/NAP
Start	618	End	924
GI	6691210	Score	114
Exons	618..924		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	6194	Seq. ID	OJ990903_13.0225.C24
Gene No.	13024	Strand	-
Start	167	End	1010
Name	OJ990903_13.0225.C24.o1.gs	Method	GENSCAN
Start	167	End	902
GI	none	Score	.41
Exons	167..338, 770..902		

Seq. No.	6194	Seq. ID	OJ990903_13.0225.C24
Gene No.	13024	Strand	-

Start	167	End	1010
Name	OJ990903_13.0225.C24.o1.tm	Method	TBLASTX:Maize
Start	616	End	957
GI	none	Score	373
Exons	616..852, 617..853, 639..887, 639..866, 905..949, 906..944, 907..957, 907..948		

Seq. No.	6194	Seq. ID	OJ990903_13.0225.C24
Gene No.	13024	Strand	-
Start	167	End	1010
Name	OJ990903_13.0225.C24.o1.tw	Method	TBLASTX:Wheat
Start	616	End	1010
GI	none	Score	435
Exons	616..882, 617..883, 617..883, 618..884, 886..945, 889..999, 915..1010, 946..999		

Seq. No.	6194	Seq. ID	OJ990903_13.0225.C24
Gene No.	13024	Strand	-
Start	167	End	1010
Name	OJ990903_13.0225.C24.o1.ts	Method	TBLASTX:Soybean
Start	617	End	838
GI	none	Score	41
Exons	617..661, 680..838, 682..834		

Seq. No.	6195	Seq. ID	OJ990903_13.0225.C25
Gene No.	13025	Strand	+
Start	1	End	481
Name	OJ990903_13.0225.C25.o1.np	Method	AAT/NAP
Start	1	End	481
GI	6630699	Score	68
Exons	1..28, 405..481		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6195	Seq. ID	OJ990903_13.0225.C25
Gene No.	13026	Strand	+
Start	607	End	1033
Name	OJ990903_13.0225.C25.o2.np	Method	AAT/NAP
Start	607	End	1033
GI	6539570	Score	183
Exons	607..804, 962..1033		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6195	Seq. ID	OJ990903_13.0225.C25
Gene No.	13026	Strand	+
Start	607	End	1033
Name	OJ990903_13.0225.C25.o1.gs	Method	GENSCAN
Start	649	End	791
GI	none	Score	.8
Exons	649..791		

Seq. No.	6195	Seq. ID	OJ990903_13.0225.C25
Gene No.	13027	Strand	-
Start	1752	End	2083
Name	OJ990903_13.0225.C25.o2.gs	Method	GENSCAN
Start	1752	End	2083

GI	none	Score	.72
Exons	1752..1926, 1932..2083		

Seq. No.	6196	Seq. ID	OJ990903_13.0225.C28
Gene No.	13028	Strand	-
Start	572	End	647
Name	OJ990903_13.0225.C28.o1.gs	Method	GENSCAN
Start	572	End	647
GI	none	Score	.92
Exons	572..647		

Seq. No.	6197	Seq. ID	OJ990903_13.0225.C29
Gene No.	13029	Strand	+
Start	318	End	441
Name	OJ990903_13.0225.C29.o1.gp	Method	AAT/GAP
Start	318	End	441
GI	25490_1.R1084	Score	193
Exons	318..441		
GI Descrip.	'3327957 8.0e-10 (AF060490) TLS-associated protein TASR-2 [Mus musculus] >gi_3327976 (AF067730) TLS-associated protein TASR-2 [Homo sapiens]'		

Seq. No.	6197	Seq. ID	OJ990903_13.0225.C29
Gene No.	13030	Strand	-
Start	147	End	709
Name	OJ990903_13.0225.C29.o1.gs	Method	GENSCAN
Start	147	End	709
GI	none	Score	.6
Exons	147..216, 371..514, 666..709		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13031	Strand	+
Start	6142	End	7564
Name	OJ990903_13.0225.C30.o3.gs	Method	GENSCAN
Start	6142	End	7564
GI	none	Score	.67
Exons	6142..6996, 7010..7564		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13031	Strand	+
Start	6142	End	7564
Name	OJ990903_13.0225.C30.o2.np	Method	AAT/NAP
Start	6145	End	7434
GI	6633841	Score	674
Exons	6145..6837, 6931..7434		
GI Descrip.	(AC008047) F2K11.25 [Arabidopsis thaliana]		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13032	Strand	-
Start	1	End	3880
Name	OJ990903_13.0225.C30.o1.np	Method	AAT/NAP
Start	1	End	3880
GI	6437558	Score	2263
Exons	1..80, 166..385, 591..664, 748..1029, 1121..1255, 1387..1608, 1695..1874, 1971..2068, 2188..2300, 2822..2925, 3066..3176, 3661..3880		
GI Descrip.	(AC011623) putative ATPase (ISW2-like) [Arabidopsis thaliana]		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13032	Strand	-
Start	1	End	3880
Name	OJ990903_13.0225.C30.o1.tc	Method	TBLASTX:Cress
Start	1	End	681
GI	none	Score	48
Exons	1..81, 2..79, 3..92, 162..254, 163..255, 165..254, 233..388, 234..386, 239..388, 580..681		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13032	Strand	-
Start	1	End	3880
Name	OJ990903_13.0225.C30.o1.tm	Method	TBLASTX:Maize
Start	2	End	3185
GI	none	Score	114
Exons	2..82, 2..79, 6..92, 162..230, 163..255, 165..278, 233..388, 234..389, 235..393, 580..666, 586..669, 588..680, 745..792, 746..790, 751..792, 785..1006, 792..1031, 793..1032, 794..1030, 1118..1261, 1120..1257, 1358..1402, 1362..1607, 1378..1608, 1378..1611, 1448..1609, 1688..1873, 1695..1874, 1695..1874, 1699..1875, 1699..1875, 1971..2063, 1971..2066, 1972..2067, 2182..2301, 2186..2302, 2187..2303, 2820..2924, 2821..2925, 2821..2925, 2822..2926, 3068..3166, 3147..3185		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13032	Strand	-
Start	1	End	3880
Name	OJ990903_13.0225.C30.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2926
GI	none	Score	92
Exons	2..91, 2..79, 162..227, 163..255, 165..278, 233..388, 234..389, 239..391, 241..393, 580..681, 584..661, 588..671, 746..790, 792..1031, 793..1032, 794..1030, 800..1048, 810..1031, 1105..1257, 1118..1261, 1157..1261, 1357..1572, 1359..1574, 1363..1611, 1448..1603, 1695..1874, 1696..1839, 1971..2066, 1972..2067, 2186..2224, 2276..2302, 2833..2925, 2846..2926, 2855..2926		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13032	Strand	-
Start	1	End	3880
Name	OJ990903_13.0225.C30.o1.gs	Method	GENSCAN
Start	166	End	3858
GI	none	Score	.79
Exons	166..228, 252..385, 772..1056, 1121..1255, 1387..1608, 1695..1874, 1971..2068, 2188..2300, 2822..2925, 3066..3188, 3523..3858		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13032	Strand	-
Start	1	End	3880
Name	OJ990903_13.0225.C30.o2.tc	Method	TBLASTX:Cress
Start	767	End	1527
GI	none	Score	95
Exons	767..883, 790..906, 792..902, 793..969, 794..913, 913..1032, 917..1030, 917..1051, 987..1031, 1105..1185, 1118..1237,		

1155..1232, 1160..1237, 1393..1527

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13033	Strand	
Start	6172	End	7435
Name	OJ990903_13.0225.C30.o2.ts	Method	TBLASTX:Soybean
Start	6172	End	6954
GI	none	Score	93
Exons	6172..6291, 6250..6330, 6294..6428, 6340..6429, 6432..6539, 6433..6540, 6594..6728, 6601..6858, 6883..6954		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13033	Strand	
Start	6172	End	7435
Name	OJ990903_13.0225.C30.o3.tm	Method	TBLASTX:Maize
Start	6172	End	6567
GI	none	Score	143
Exons	6172..6561, 6173..6373, 6175..6567, 6264..6566		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13033	Strand	
Start	6172	End	7435
Name	OJ990903_13.0225.C30.o2.tm	Method	TBLASTX:Maize
Start	6586	End	7435
GI	none	Score	209
Exons	6586..6780, 6625..6858, 6879..6974, 6904..7005, 7007..7270, 7018..7347, 7295..7435		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13033	Strand	
Start	6172	End	7435
Name	OJ990903_13.0225.C30.o4.tc	Method	TBLASTX:Cress
Start	6670	End	6972
GI	none	Score	183
Exons	6670..6861, 6811..6972		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13033	Strand	
Start	6172	End	7435
Name	OJ990903_13.0225.C30.o3.ts	Method	TBLASTX:Soybean
Start	6958	End	7417
GI	none	Score	46
Exons	6958..7005, 7003..7098, 7010..7276, 7132..7272, 7319..7417		

Seq. No.	6198	Seq. ID	OJ990903_13.0225.C30
Gene No.	13033	Strand	
Start	6172	End	7435
Name	OJ990903_13.0225.C30.o3.tc	Method	TBLASTX:Cress
Start	7063	End	7435
GI	none	Score	177
Exons	7063..7110, 7064..7273, 7132..7266, 7316..7435		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13034	Strand	+
Start	1	End	888
Name	OJ990903_13.0225.C31.o1.np	Method	AAT/NAP
Start	1	End	888

GI	5042454	Score	193
Exons	1..73, 315..482, 828..888		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13035	Strand	+
Start	8097	End	8758
Name	OJ990903_13.0225.C31.o2.gs	Method	GENSCAN
Start	8097	End	8758
GI	none	Score	.53
Exons	8097..8202, 8595..8758		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13036	Strand	+
Start	10281	End	11222
Name	OJ990903_13.0225.C31.o3.gs	Method	GENSCAN
Start	10281	End	11222
GI	none	Score	.47
Exons	10281..10307, 10647..11222		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13037	Strand	+
Start	11184	End	11325
Name	OJ990903_13.0225.C31.o1.gp	Method	AAT/GAP
Start	11184	End	11325
GI	21474_1.R1084	Score	219
Exons	11184..11325		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13038	Strand	-
Start	6502	End	17017
Name	OJ990903_13.0225.C31.o2.np	Method	AAT/NAP
Start	6502	End	15333
GI	4680204	Score	1047
Exons	6502..6539, 11675..11774, 12125..12344, 12441..12614, 12724..13822, 13897..15333		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13038	Strand	-
Start	6502	End	17017
Name	OJ990903_13.0225.C31.o1.tc	Method	TBLASTX:Cress
Start	10815	End	11039
GI	none	Score	190
Exons	10815..11039, 10841..11038		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13038	Strand	-
Start	6502	End	17017
Name	OJ990903_13.0225.C31.o1.tm	Method	TBLASTX:Maize
Start	10815	End	11036
GI	none	Score	190
Exons	10815..11036, 10841..11035		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31

Gene No.	13038	Strand	-
Start	6502	End	17017
Name	OJ990903_13.0225.C31.o4.gs	Method	GENSCAN
Start	11619	End	16894
GI	none	Score	.59
Exons	11619..11804, 11884..11982, 12077..12149, 12234..12344, 12441..12614, 12724..13555, 13681..13822, 13897..15318, 16294..16384, 16396..16754, 16804..16894		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13038	Strand	-
Start	6502	End	17017
Name	OJ990903_13.0225.C31.o2.tw	Method	TBLASTX:Wheat
Start	12275	End	12797
GI	none	Score	66
Exons	12275..12346, 12446..12628, 12453..12578, 12717..12797		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13038	Strand	-
Start	6502	End	17017
Name	OJ990903_13.0225.C31.o1.tw	Method	TBLASTX:Wheat
Start	14287	End	14690
GI	none	Score	42
Exons	14287..14382, 14287..14457, 14420..14587, 14452..14688, 14539..14688, 14550..14690, 14580..14690		

Seq. No.	6199	Seq. ID	OJ990903_13.0225.C31
Gene No.	13038	Strand	-
Start	6502	End	17017
Name	OJ990903_13.0225.C31.o3.np	Method	AAT/NAP
Start	14887	End	17017
GI	5032119	Score	115
Exons	14887..15008, 16312..16867, 16995..17017		
GI Descrip.	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) gi|3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13039	Strand	+
Start	880	End	1302
Name	OJ990903_13.0225.C32.o3.gp	Method	AAT/GAP
Start	880	End	1302
GI	LIB3431-028-P1-N1-A10	Score	693
Exons	880..1302		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.gp	Method	AAT/GAP
Start	11	End	4104
GI	342_1.R1084	Score	6230
Exons	11..526, 636..740, 859..4104		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o2.gp	Method	AAT/GAP
Start	11	End	4108
GI	342_1.R1084	Score	6235
Exons	11..526, 636..740, 859..4108		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o5.gp	Method	AAT/GAP
Start	158	End	4250
GI	342_1.R1084	Score	6158
Exons	158..526, 636..740, 859..4250		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o6.gp	Method	AAT/GAP
Start	160	End	4250
GI	342_1.R1084	Score	6154
Exons	160..526, 636..740, 859..4250		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o7.gp	Method	AAT/GAP
Start	164	End	4250
GI	342_1.R1084	Score	6146
Exons	164..526, 636..740, 859..4250		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.gs	Method	GENSCAN
Start	849	End	4254
GI	none	Score	.52
Exons	849..1194, 1318..1458, 1509..1913, 2374..2515, 2758..3794, 3803..4254		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.tw	Method	TBLASTX:Wheat
Start	996	End	2311
GI	none	Score	66
Exons	996..1088, 1077..1157, 1172..1282, 1360..1401, 1427..1489, 1446..1487, 1493..1846, 1535..1726, 1581..1913, 1587..1916,		

1896..2303, 1898..2311, 1900..2310

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.np	Method	AAT/NAP
Start	1478	End	3442
GI	6742729	Score	2944
Exons	1478..3442		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o2.tc	Method	TBLASTX:Cress
Start	1576	End	2023
GI	none	Score	85
Exons	1576..1827, 1577..1726, 1580..1846, 1581..1913, 1898..2023, 1900..2019		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o2.tm	Method	TBLASTX:Maize
Start	1954	End	2268
GI	none	Score	69
Exons	1954..2184, 1954..2268, 1982..2257		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o4.tw	Method	TBLASTX:Wheat
Start	2312	End	2726
GI	none	Score	52
Exons	2312..2374, 2314..2358, 2433..2513, 2433..2519, 2473..2520, 2519..2548, 2553..2645, 2557..2661, 2558..2662, 2681..2725, 2682..2726		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o2.ts	Method	TBLASTX:Soybean
Start	2759	End	3001
GI	none	Score	67
Exons	2759..3001, 2817..2915		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.tm	Method	TBLASTX:Maize
Start	2831	End	3289
GI	none	Score	103
Exons	2831..3025, 3035..3289, 3035..3277		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989

Name	OJ990903_13.0225.C32.o2.tw	Method	TBLASTX:Wheat
Start	2865	End	3334
GI	none	Score	173
Exons	2865..3071, 2865..3074, 2870..3073, 2870..3094, 3074..3172, 3075..3167, 3176..3280, 3180..3269, 3281..3334, 3282..3326		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.tc	Method	TBLASTX:Cress
Start	3122	End	3470
GI	none	Score	88
Exons	3122..3463, 3141..3278, 3318..3470		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o8.gp	Method	AAT/GAP
Start	3178	End	4704
GI	2310235	Score	292
Exons	3178..3239, 4115..4254, 4667..4704		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o1.ts	Method	TBLASTX:Soybean
Start	3203	End	3632
GI	none	Score	121
Exons	3203..3499, 3221..3445, 3494..3556, 3549..3632, 3557..3631		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o3.tw	Method	TBLASTX:Wheat
Start	3553	End	3903
GI	none	Score	144
Exons	3553..3741, 3563..3805, 3564..3812, 3733..3813, 3796..3903		

Seq. No.	6200	Seq. ID	OJ990903_13.0225.C32
Gene No.	13040	Strand	-
Start	11	End	4989
Name	OJ990903_13.0225.C32.o2.np	Method	AAT/NAP
Start	3925	End	4989
GI	5852182	Score	434
Exons	3925..4254, 4916..4989		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6201	Seq. ID	OJ990903_13.0225.C33
Gene No.	13041	Strand	-
Start	90	End	183
Name	OJ990903_13.0225.C33.o1.gs	Method	GENSCAN
Start	90	End	183
GI	none	Score	.62
Exons	90..183		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13042	Strand	+
Start	49	End	206
Name	OJ990903_13.0225.C34.o1.gs	Method	GENSCAN
Start	49	End	206
GI	none	Score	.46
Exons	49..206		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13043	Strand	+
Start	5243	End	6509
Name	OJ990903_13.0225.C34.o3.gs	Method	GENSCAN
Start	5243	End	6509
GI	none	Score	.65
Exons	5243..5852, 6346..6509		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13044	Strand	+
Start	11277	End	11585
Name	OJ990903_13.0225.C34.o2.np	Method	AAT/NAP
Start	11277	End	11585
GI	2244926	Score	315
Exons	11277..11585		
GI Descrip.	(Z97339) glutaredoxin homolog [Arabidopsis thaliana]		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13045	Strand	-
Start	1345	End	2832
Name	OJ990903_13.0225.C34.o2.gs	Method	GENSCAN
Start	1345	End	2832
GI	none	Score	.54
Exons	1345..1491, 2755..2832		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13046	Strand	-
Start	7530	End	11747
Name	OJ990903_13.0225.C34.o2.tm	Method	TBLASTX:Maize
Start	5273	End	5812
GI	none	Score	84
Exons	5273..5386, 5378..5482, 5501..5545, 5588..5812		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13046	Strand	-
Start	7530	End	11747
Name	OJ990903_13.0225.C34.o4.gs	Method	GENSCAN
Start	7530	End	11701
GI	none	Score	.51
Exons	7530..7677, 7739..7799, 8031..8121, 8150..8209, 9306..9448, 9495..9686, 10902..11063, 11354..11701		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13046	Strand	-
Start	7530	End	11747
Name	OJ990903_13.0225.C34.o1.gp	Method	AAT/GAP
Start	11114	End	11747
GI	1631_1.R1084	Score	1229
Exons	11114..11747		

GI Descrip. '2244926/emb|CAB10348.1| 5.0e-29 (Z97339) glutaredoxin homolog [Arabidopsis thaliana]'

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13046	Strand	-
Start	7530	End	11747
Name	OJ990903_13.0225.C34.o1.tc	Method	TBLASTX:Cress
Start	11268	End	11588
GI	none	Score	179
Exons	11268..11453, 11454..11588, 11456..11584		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13046	Strand	-
Start	7530	End	11747
Name	OJ990903_13.0225.C34.o1.tm	Method	TBLASTX:Maize
Start	11276	End	11594
GI	none	Score	225
Exons	11276..11359, 11277..11459, 11442..11594, 11447..11587		

Seq. No.	6202	Seq. ID	OJ990903_13.0225.C34
Gene No.	13046	Strand	-
Start	7530	End	11747
Name	OJ990903_13.0225.C34.o1.ts	Method	TBLASTX:Soybean
Start	11277	End	11588
GI	none	Score	187
Exons	11277..11423, 11291..11371, 11424..11588, 11450..11584		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13047	Strand	+
Start	126	End	4052
Name	OJ990903_13.0225.C35.o1.np	Method	AAT/NAP
Start	126	End	4052
GI	133435	Score	448
Exons	126..188, 1070..1355, 4029..4052		

GI Descrip. DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi|66983|pir||RNRZC1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice chloroplast gi|11972|emb|CAA33987| (X15901) RNA polymerase beta' subunit-1 [Oryza sativa] gi|226690|prf||1603356Q RNA polymerase beta'-1 [Oryza sativa]

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13047	Strand	+
Start	126	End	4052
Name	OJ990903_13.0225.C35.o1.gs	Method	GENSCAN
Start	242	End	1408
GI	none	Score	.92
Exons	242..269, 699..879, 1158..1351, 1406..1408		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13048	Strand	-
Start	1622	End	3542
Name	OJ990903_13.0225.C35.o2.gs	Method	GENSCAN
Start	1622	End	3542
GI	none	Score	.55
Exons	1622..1950, 2744..2799, 2820..2914, 3075..3278, 3357..3542		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35

Gene No.	13049	Strand	-
Start	5161	End	6588
Name	OJ990903_13.0225.C35.o1.ts	Method	TBLASTX:Soybean
Start	1070	End	1362
GI	none	Score	398
Exons	1070..1354, 1072..1362, 1084..1353		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13049	Strand	-
Start	5161	End	6588
Name	OJ990903_13.0225.C35.o1.gp	Method	AAT/GAP
Start	4989	End	6588
GI	11553_1.R1084	Score	821
Exons	4989..5262, 5632..5814, 6566..6588		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13049	Strand	-
Start	5161	End	6588
Name	OJ990903_13.0225.C35.o1.tw	Method	TBLASTX:Wheat
Start	5160	End	5796
GI	none	Score	105
Exons	5160..5264, 5161..5268, 5161..5265, 5162..5269, 5632..5796, 5632..5742, 5636..5761		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13049	Strand	-
Start	5161	End	6588
Name	OJ990903_13.0225.C35.o2.ts	Method	TBLASTX:Soybean
Start	5161	End	5800
GI	none	Score	76
Exons	5161..5268, 5161..5265, 5590..5742, 5609..5800, 5633..5755		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13049	Strand	-
Start	5161	End	6588
Name	OJ990903_13.0225.C35.o3.gs	Method	GENSCAN
Start	5161	End	5799
GI	none	Score	.87
Exons	5161..5262, 5632..5799		

Seq. No.	6203	Seq. ID	OJ990903_13.0225.C35
Gene No.	13049	Strand	-
Start	5161	End	6588
Name	OJ990903_13.0225.C35.o2.np	Method	AAT/NAP
Start	5164	End	6588
GI	2281115	Score	361
Exons	5164..5262, 5632..5801, 6552..6588		
GI Descrip.	(AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o1.gp	Method	AAT/GAP
Start	1	End	102

GI	11553_1.R1084	Score	204
Exons	1..102		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o3.tc	Method	TBLASTX:Cress
Start	1	End	432
GI	none	Score	122
Exons	1..78, 3..182, 6..113, 231..293, 233..292, 344..430, 364..432		

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o1.tm	Method	TBLASTX:Maize
Start	1	End	1831
GI	none	Score	129
Exons	1..78, 1..138, 3..140, 231..293, 233..292, 344..526, 363..515, 365..526, 597..683, 598..684, 756..797, 758..799, 1044..1106, 1045..1107, 1188..1268, 1189..1287, 1200..1307, 1347..1442, 1348..1443, 1348..1443, 1349..1450, 1350..1448, 1647..1700, 1648..1695, 1695..1724, 1696..1725, 1808..1831		

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o1.np	Method	AAT/NAP
Start	1	End	2029
GI	2281115	Score	939
Exons	1..138, 234..289, 365..514, 597..703, 1037..1106, 1185..1265, 1351..1440, 1647..1724, 1946..2029		
GI Descrip.	(AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o1.ts	Method	TBLASTX:Soybean
Start	3	End	2133
GI	none	Score	103
Exons	3..140, 4..78, 6..161, 8..145, 231..293, 233..292, 344..526, 345..530, 363..515, 365..517, 592..684, 597..683, 756..794, 758..793, 1044..1106, 1045..1107, 1185..1268, 1186..1287, 1187..1270, 1329..1445, 1348..1443, 1349..1450, 1349..1450, 1647..1724, 1648..1725, 1656..1727, 1672..1725, 1803..1880, 1807..2007, 1808..2011, 1814..2008, 2083..2133, 2087..2125		

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o1.gs	Method	GENSCAN
Start	18	End	2133
GI	none	Score	.83
Exons	18..138, 234..289, 365..514, 597..683, 1044..1106, 1185..1265, 1647..1724, 1808..2011, 2086..2133		

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o2.tc	Method	TBLASTX:Cress
Start	479	End	1443
GI	none	Score	57
Exons	479..526, 590..664, 594..686, 597..683, 1047..1106, 1051..1107, 1185..1268, 1186..1287, 1344..1442, 1348..1443, 1349..1441		

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o1.tc	Method	TBLASTX:Cress
Start	1647	End	2020
GI	none	Score	50
Exons	1647..1724, 1648..1728, 1807..1914, 1807..1923, 1808..1930, 1808..2020		

Seq. No.	6204	Seq. ID	OJ990903_13.0225.C36
Gene No.	13050	Strand	-
Start	1	End	2165
Name	OJ990903_13.0225.C36.o2.tm	Method	TBLASTX:Maize
Start	1831	End	2165
GI	none	Score	192
Exons	1831..2004, 1832..2011, 1832..2011, 2083..2133, 2091..2165		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13051	Strand	+
Start	5735	End	15741
Name	OJ990903_13.0225.C37.o2.gs	Method	GENSCAN
Start	5735	End	15741
GI	none	Score	.7
Exons	5735..5903, 6386..6524, 8155..8273, 9619..9670, 9902..10087, 10216..10315, 11648..11695, 11777..11980, 12438..12518, 12598..12660, 13686..13772, 13875..14024, 14103..14158, 14265..14547, 14761..14904, 15005..15223, 15300..15467, 15640..15741		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13051	Strand	+
Start	5735	End	15741
Name	OJ990903_13.0225.C37.o3.np	Method	AAT/NAP
Start	9957	End	15738
GI	2281115	Score	1875
Exons	9957..10087, 10216..10315, 11344..11529, 11777..11842, 12055..12132, 12247..12336, 12438..12518, 12598..12660, 13660..13772, 13875..14024, 14103..14158, 14265..14547, 14761..14904, 15005..15223, 15300..15467, 15640..15738		
GI Descrip.	(AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13052	Strand	+
Start	20133	End	25358
Name	OJ990903_13.0225.C37.o6.np	Method	AAT/NAP
Start	20133	End	23561
GI	4063770	Score	111

Exons	20133..20153, 21652..21724, 23237..23561		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13052	Strand	+
Start	20133	End	25358
Name	OJ990903_13.0225.C37.o5.gs	Method	GENSCAN
Start	23404	End	25194
GI	none	Score	.53
Exons	23404..23466, 23980..25194		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13052	Strand	+
Start	20133	End	25358
Name	OJ990903_13.0225.C37.o1.gp	Method	AAT/GAP
Start	24187	End	25358
GI	29585_1.R1084	Score	2276
Exons	24187..25358		
GI Descrip.	'2055230/dbj|BAA19769| 2.0e-17 (AB000130) SRC2 [Glycine max]'		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13052	Strand	+
Start	20133	End	25358
Name	OJ990903_13.0225.C37.o7.np	Method	AAT/NAP
Start	24295	End	25197
GI	2055230	Score	343
Exons	24295..24818, 24893..25197		
GI Descrip.	(AB000130) SRC2 [Glycine max]		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13053	Strand	-
Start	1	End	3017
Name	OJ990903_13.0225.C37.o1.np	Method	AAT/NAP
Start	1	End	3008
GI	2281115	Score	282
Exons	1..41, 2678..2780, 2878..3008		
GI Descrip.	(AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13053	Strand	-
Start	1	End	3017
Name	OJ990903_13.0225.C37.o1.gs	Method	GENSCAN
Start	1771	End	3017
GI	none	Score	.79
Exons	1771..1854, 2681..2780, 2878..3017		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13054	Strand	-
Start	7125	End	9272
Name	OJ990903_13.0225.C37.o2.np	Method	AAT/NAP
Start	7125	End	9272
GI	2586082	Score	687
Exons	7125..7872, 9050..9272		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-

Start	16266	End	20827
Name	OJ990903_13.0225.C37.o2.ts	Method	TBLASTX:Soybean
Start	2678	End	15732
GI	none	Score	66
Exons	2678..2779, 2679..2783, 2871..3005, 2871..3005, 2884..3006, 9972..10136, 10217..10342, 11343..11531, 11344..11532, 11777..11980, 11792..11980, 11794..11982, 11821..11988, 12053..12127, 12054..12131, 12055..12126, 12229..12339, 12419..12514, 12441..12518, 12573..12659, 12595..12660, 13572..13616, 13685..13750, 13689..13772, 13872..14027, 13873..13962, 14094..14159, 14094..14159, 14101..14160, 14256..14516, 14257..14553, 14264..14476, 14337..14546, 14749..14925, 14763..14900, 15002..15229, 15002..15244, 15294..15467, 15307..15465, 15365..15493, 15631..15732		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o5.tm	Method	TBLASTX:Maize
Start	2678	End	11956
GI	none	Score	92
Exons	2678..2779, 2679..2783, 2679..2801, 2871..2993, 2871..3005, 2878..3006, 3069..3131, 9972..10136, 9975..10088, 10217..10342, 10225..10275, 11337..11525, 11344..11532, 11362..11532, 11777..11956, 11808..11951, 11816..11956		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o3.tc	Method	TBLASTX:Cress
Start	2678	End	10342
GI	none	Score	39
Exons	2678..2779, 2679..2717, 2748..2783, 2871..3005, 2874..3005, 2878..3006, 9972..10136, 10213..10275, 10217..10342		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o7.tm	Method	TBLASTX:Maize
Start	8708	End	8993
GI	none	Score	73
Exons	8708..8809, 8822..8992, 8823..8993		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o4.tc	Method	TBLASTX:Cress
Start	11452	End	12131
GI	none	Score	90
Exons	11452..11532, 11777..11980, 11834..11974, 12051..12131, 12055..12126		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o2.tm	Method	TBLASTX:Maize
Start	11957	End	15749

GI	none	Score	41
Exons	11957..11980, 12055..12084, 12101..12157, 12136..12174, 12229..12339, 12366..12395, 12419..12514, 12441..12515, 12597..12659, 13683..13757, 13685..13750, 13689..13772, 13858..13941, 13872..14027, 13874..13954, 14094..14159, 14257..14553, 14337..14549, 14465..14668, 14749..14904, 14760..14906, 14760..14897, 14761..14907, 14765..14923, 15000..15224, 15002..15229, 15002..15244, 15294..15467, 15298..15480, 15298..15465, 15631..15732, 15639..15749, 15659..15748		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o8.tm	Method	TBLASTX:Maize
Start	13216	End	13368
GI	none	Score	105
Exons	13216..13305, 13221..13301, 13303..13368, 13303..13362		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o2.tc	Method	TBLASTX:Cress
Start	13959	End	15732
GI	none	Score	92
Exons	13959..14027, 14094..14159, 14257..14280, 14263..14553, 14306..14533, 14337..14546, 14749..14904, 14763..14885, 15002..15088, 15116..15229, 15179..15247, 15294..15467, 15365..15493, 15631..15732		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o1.tw	Method	TBLASTX:Wheat
Start	14351	End	15127
GI	none	Score	109
Exons	14351..14548, 14352..14549, 14355..14549, 14356..14553, 14748..14873, 14749..14904, 14761..14904, 15000..15101, 15002..15127, 15002..15115, 15049..15126		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o3.tw	Method	TBLASTX:Wheat
Start	15170	End	15749
GI	none	Score	83
Exons	15170..15229, 15294..15467, 15310..15486, 15310..15465, 15365..15493, 15631..15732, 15648..15749, 15656..15748		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o1.tm	Method	TBLASTX:Maize
Start	16254	End	17855
GI	none	Score	109
Exons	16254..16490, 16275..16481, 16764..17252, 16849..17526, 17373..17630, 17406..17558, 17551..17622, 17784..17855		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o1.tc	Method	TBLASTX:Cress
Start	16258	End	19019
GI	none	Score	110
Exons	16258..16428, 16266..16490, 16758..17252, 16954..17625, 17310..17675, 17784..17858, 17980..18051, 18057..18467, 18118..18390, 18535..18684, 18546..18686, 18702..18938, 18736..18942, 18895..19017, 18933..19019		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o1.ts	Method	TBLASTX:Soybean
Start	16266	End	18176
GI	none	Score	279
Exons	16266..16481, 16770..17252, 16852..17265, 17283..17462, 17359..17625, 17373..17630, 17790..17858, 18108..18176		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o3.gs	Method	GENSCAN
Start	16266	End	20827
GI	none	Score	.93
Exons	16266..17635, 17738..17855, 17998..18050, 18065..19043, 20753..20827		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o4.tw	Method	TBLASTX:Wheat
Start	16266	End	16496
GI	none	Score	206
Exons	16266..16496		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o4.np	Method	AAT/NAP
Start	16269	End	19908
GI	6513926	Score	2294
Exons	16269..17635, 17738..17855, 17998..18050, 18134..18445, 18545..19032, 19853..19908		
GI Descrip.	(AC011664) putative potassium transporter [Arabidopsis thaliana]		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o6.tm	Method	TBLASTX:Maize
Start	17995	End	18269
GI	none	Score	125
Exons	17995..18051, 18057..18269, 18118..18267		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37

Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o4.ts	Method	TBLASTX:Soybean
Start	18177	End	18449
GI	none	Score	116
Exons	18177..18449, 18181..18447		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o4.tm	Method	TBLASTX:Maize
Start	18273	End	19004
GI	none	Score	87
Exons	18273..18467, 18274..18543, 18546..18677, 18687..18878, 18736..18912, 18933..19004, 18934..18999		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o2.tw	Method	TBLASTX:Wheat
Start	18535	End	18804
GI	none	Score	93
Exons	18535..18648, 18546..18674, 18690..18803, 18733..18804		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o3.ts	Method	TBLASTX:Soybean
Start	18546	End	19013
GI	none	Score	94
Exons	18546..18656, 18547..18648, 18702..18803, 18739..18807, 18799..18909, 18801..18926, 18931..19011, 18933..19013		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13055	Strand	-
Start	16266	End	20827
Name	OJ990903_13.0225.C37.o5.np	Method	AAT/NAP
Start	19375	End	20800
GI	5852084	Score	91
Exons	19375..19458, 20733..20800		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13056	Strand	
Start	24297	End	25197
Name	OJ990903_13.0225.C37.o3.tm	Method	TBLASTX:Maize
Start	24297	End	25197
GI	none	Score	534
Exons	24297..24719, 24298..24720, 24950..25027, 24972..25061, 25102..25197, 25133..25195, 25138..25197		

Seq. No.	6205	Seq. ID	OJ990903_13.0225.C37
Gene No.	13056	Strand	
Start	24297	End	25197
Name	OJ990903_13.0225.C37.o5.ts	Method	TBLASTX:Soybean
Start	24298	End	24666
GI	none	Score	103

Exons	24298..24405, 24433..24489, 24520..24666		
Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13057	Strand	+
Start	7829	End	11131
Name	OJ990903_13.0225.C39.o2.gp	Method	AAT/GAP
Start	7768	End	8197
GI	LIB3479-006-Q6-K1-B11	Score	640
Exons	7768..8197		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13057	Strand	+
Start	7829	End	11131
Name	OJ990903_13.0225.C39.o3.gs	Method	GENSCAN
Start	7829	End	11131
GI	none	Score	.66
Exons	7829..7969, 8137..8230, 9867..9928, 10796..11131		
Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13058	Strand	+
Start	24661	End	26174
Name	OJ990903_13.0225.C39.o6.gs	Method	GENSCAN
Start	24661	End	26174
GI	none	Score	.52
Exons	24661..24671, 25387..25498, 26001..26174		
Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13059	Strand	-
Start	5509	End	7978
Name	OJ990903_13.0225.C39.o2.gs	Method	GENSCAN
Start	5509	End	6696
GI	none	Score	.91
Exons	5509..5987, 6205..6253, 6547..6696		
Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13059	Strand	-
Start	5509	End	7978
Name	OJ990903_13.0225.C39.o1.np	Method	AAT/NAP
Start	5515	End	6702
GI	1170092	Score	612
Exons	5515..5987, 6205..6253, 6547..6702		
GI Descrip.	GLUTATHIONE S-TRANSFERASE IV (GST-IV) (GST-27) (GST CLASS PHI) gi|1076807|pir||S52037 glutathione transferase (EC 2.5.1.18) 27K chain - maize gi|529015 (U12679) glutathione S-transferase IV [Zea mays] gi|695789|emb|CAA56047| (X79515) glutathione transferase [Zea mays] gi|1094866|prf||2106424A glutathione S-transferase:ISOTYPE=IV [Zea mays]		
Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13059	Strand	-
Start	5509	End	7978
Name	OJ990903_13.0225.C39.o1.gp	Method	AAT/GAP
Start	5550	End	6771
GI	16273_2.R1084	Score	1324
Exons	5550..5987, 6205..6253, 6547..6771		

GI Descrip. '1170092/sp|P46420|GTH4_MAIZE 2.0e-66 GLUTATHIONE S-TRANSFERASE IV (GST-IV) (GST-27) (GST CLASS PHI) >gi_1076807_pir__S52037 glutathione transferase (EC 2.5.1.18) 27K chain - maize >gi_529015 (U12679) glutathione S-transferase IV [Zea mays] >gi_695789_emb_CAA56047_ (X79515) glutathione transferase [Zea mays] >gi_1094866_prf__2106424A glutathione S-transferase:ISOTYPE=IV [Zea mays]'

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13059	Strand	-
Start	5509	End	7978
Name	OJ990903_13.0225.C39.o2.np	Method	AAT/NAP
Start	5729	End	7978
GI	6539570	Score	205
Exons	5729..5914, 7561..7634, 7793..7978		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13060	Strand	-
Start	8114	End	8196
Name	OJ990903_13.0225.C39.o3.np	Method	AAT/NAP
Start	8114	End	8196
GI	6630699	Score	96
Exons	8114..8196		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13061	Strand	-
Start	14239	End	18396
Name	OJ990903_13.0225.C39.o4.gs	Method	GENSCAN
Start	14239	End	18396
GI	none	Score	.63
Exons	14239..14333, 15554..15590, 17241..17426, 18394..18396		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13062	Strand	-
Start	20243	End	23086
Name	OJ990903_13.0225.C39.o5.gs	Method	GENSCAN
Start	20243	End	23047
GI	none	Score	.96
Exons	20243..20868, 21179..21352, 22267..22282, 22692..22869, 22986..23047		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13062	Strand	-
Start	20243	End	23086
Name	OJ990903_13.0225.C39.o4.np	Method	AAT/NAP
Start	20249	End	23086
GI	1854443	Score	1076
Exons	20249..20868, 21179..21350, 22613..22869, 22986..23086		
GI Descrip.	(D83970) CPRD8 protein [Vigna unguiculata]		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13062	Strand	-
Start	20243	End	23086

Name	OJ990903_13.0225.C39.o3.gp	Method	AAT/GAP
Start	20287	End	21322
GI	19180_1.R1084	Score	1395
Exons	20287..20868, 21179..21322		
GI Descrip.	'3882356/gb|AAC78441.1| 2.0e-77 (U92460) 12-oxophytodienoate reductase OPR2 [Arabidopsis thaliana]'		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13063	Strand	-
Start	28018	End	30581
Name	OJ990903_13.0225.C39.o7.gs	Method	GENSCAN
Start	28018	End	29445
GI	none	Score	.8
Exons	28018..28264, 28335..28650, 28706..28846, 28986..29445		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13063	Strand	-
Start	28018	End	30581
Name	OJ990903_13.0225.C39.o5.np	Method	AAT/NAP
Start	28027	End	30581
GI	3882356	Score	935
Exons	28027..28632, 28706..28879, 28980..29109, 29341..29488, 30504..30581		
GI Descrip.	(U92460) 12-oxophytodienoate reductase OPR2 [Arabidopsis thaliana] gi|6143903|gb|AAF04449.1|AC010718_18 (AC010718) 12-oxophytodienoate reductase (OPR2) [Arabidopsis thaliana]		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o2.tm	Method	TBLASTX:Maize
Start	5466	End	6696
GI	none	Score	153
Exons	5466..5510, 5528..5743, 5542..5901, 5728..5766, 5836..5919, 5939..5995, 5941..5988, 6194..6262, 6547..6696, 6547..6696		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o1.tw	Method	TBLASTX:Wheat
Start	5542	End	6262
GI	none	Score	154
Exons	5542..5808, 5543..5740, 5818..5988, 5839..5982, 5948..6028, 6194..6262		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o2.tc	Method	TBLASTX:Cress
Start	5555	End	6696
GI	none	Score	93
Exons	5555..5740, 5557..5988, 6194..6259, 6547..6696		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o2.ts	Method	TBLASTX:Soybean

Start	5672	End	6259
GI	none	Score	80
Exons	5672..5740, 5674..5898, 5941..5988, 6179..6259		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o3.tw	Method	TBLASTX:Wheat
Start	6547	End	6714
GI	none	Score	197
Exons	6547..6714, 6547..6708		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o1.ts	Method	TBLASTX:Soybean
Start	20261	End	30547
GI	none	Score	96
Exons	20261..20515, 20270..20518, 20567..20869, 20568..20870, 21177..21272, 21178..21267, 21184..21276, 21279..21356, 21280..21363, 21298..21345, 22622..22678, 22677..22871, 22979..23044, 28036..28287, 28037..28168, 28334..28639, 28335..28616, 28704..28805, 28705..28779, 28824..28865, 28996..29103, 28997..29104, 29347..29493, 29348..29491, 30464..30547		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o1.tc	Method	TBLASTX:Cress
Start	20273	End	30547
GI	none	Score	117
Exons	20273..20515, 20292..20396, 20466..20510, 20567..20869, 20568..20870, 21177..21266, 21178..21261, 21279..21356, 22613..22678, 22614..22679, 22677..22871, 22681..22731, 22816..22872, 22968..23033, 22979..23038, 28036..28287, 28037..28168, 28096..28221, 28334..28639, 28335..28607, 28704..28805, 28824..28865, 28984..29109, 28985..29110, 29347..29493, 29348..29491, 30494..30547		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o1.tm	Method	TBLASTX:Maize
Start	20291	End	29493
GI	none	Score	155
Exons	20291..20518, 20294..20515, 20567..20869, 20568..20870, 21177..21275, 21178..21276, 21279..21356, 21280..21345, 22622..22681, 22677..22871, 22681..22731, 22816..22872, 22979..23038, 22980..23033, 28033..28287, 28061..28168, 28325..28639, 28338..28616, 28704..28751, 28704..28790, 28813..28866, 28824..28865, 28996..29109, 28997..29110, 29003..29128, 29347..29493, 29348..29491		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039

Name	OJ990903_13.0225.C39.o2.tw	Method	TBLASTX:Wheat
Start	22625	End	29491
GI	none	Score	91
Exons	22625..22678, 22626..22730, 22638..22679, 22677..22871, 22813..22872, 22968..23039, 22979..23032, 28994..29110, 28996..29109, 29347..29490, 29348..29491		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o3.tm	Method	TBLASTX:Maize
Start	25232	End	25432
GI	none	Score	200
Exons	25232..25432		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o8.gs	Method	GENSCAN
Start	31754	End	37493
GI	none	Score	.72
Exons	31754..31876, 33016..33093, 33160..33318, 33478..33584, 34041..34243, 34248..34295, 34359..34490, 34753..34834, 34866..34986, 35079..35337, 35414..35712, 35804..35929, 36012..36179, 36354..36633, 36706..36856, 37296..37493		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o5.gp	Method	AAT/GAP
Start	32090	End	33905
GI	LIB3431-045-P1-N1-A10	Score	821
Exons	32090..32199, 33562..33905		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o6.np	Method	AAT/NAP
Start	34009	End	38039
GI	5441880	Score	2878
Exons	34009..34243, 34359..34490, 34737..34834, 35079..35337, 35414..35712, 36264..36599, 36705..36856, 37416..38039		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6206	Seq. ID	OJ990903_13.0225.C39
Gene No.	13064	Strand	-
Start	31754	End	38039
Name	OJ990903_13.0225.C39.o6.gp	Method	AAT/GAP
Start	35087	End	35586
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	35087..35337, 35414..35586		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize		

transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No.	6207	Seq. ID	OJ990903_13.0225.C40
Gene No.	13065	Strand	+
Start	202	End	326
Name	OJ990903_13.0225.C40.o1.gs	Method	GENSCAN
Start	202	End	326
GI	none	Score	.71
Exons	202..326		

Seq. No.	6208	Seq. ID	OJ990903_13.0225.C45
Gene No.	13066	Strand	+
Start	85	End	187
Name	OJ990903_13.0225.C45.o1.gs	Method	GENSCAN
Start	85	End	187
GI	none	Score	.44
Exons	85..187		

Seq. No.	6209	Seq. ID	OJ990903_13.0225.C47
Gene No.	13067	Strand	-
Start	1	End	664
Name	OJ990903_13.0225.C47.o1.gp	Method	AAT/GAP
Start	1	End	664
GI	260_1.R1084	Score	1051
Exons	1..197, 309..664		
GI Descrip.	'121476/sp|P14323|GLU4_ORYSA 0.0e+00 GLUTELIN PRECURSOR >gi_82470_pir__S07640 glutelin precursor (clone 5b-1) - rice >gi_20232_emb_CAA33838_ (X15833) precursor (AA -24 to 475) [Oryza sativa]'		

Seq. No.	6209	Seq. ID	OJ990903_13.0225.C47
Gene No.	13067	Strand	-
Start	1	End	664
Name	OJ990903_13.0225.C47.o1.np	Method	AAT/NAP
Start	1	End	636
GI	121476	Score	912
Exons	1..197, 309..636		
GI Descrip.	GLUTELIN PRECURSOR gi|82470|pir||S07640 glutelin precursor (clone 5b-1) - rice gi|20232|emb|CAA33838| (X15833) precursor (AA -24 to 475) [Oryza sativa]		

Seq. No.	6209	Seq. ID	OJ990903_13.0225.C47
Gene No.	13067	Strand	-
Start	1	End	664
Name	OJ990903_13.0225.C47.o1.gs	Method	GENSCAN
Start	9	End	570
GI	none	Score	.65
Exons	9..197, 309..570		

Seq. No.	6209	Seq. ID	OJ990903_13.0225.C47
Gene No.	13068	Strand	-
Start	1709	End	2086
Name	OJ990903_13.0225.C47.o1.tm	Method	TBLASTX:Maize
Start	1	End	492
GI	none	Score	88
Exons	1..90, 2..91, 143..199, 163..198, 307..432, 308..400, 415..492		

Seq. No.	6209	Seq. ID	OJ990903_13.0225.C47
Gene No.	13068	Strand	-
Start	1709	End	2086
Name	OJ990903_13.0225.C47.o1.tc	Method	TBLASTX:Cress
Start	4	End	507
GI	none	Score	64
Exons	4..66, 4..99, 8..100, 8..124,	151..198,	155..220, 307..507

Seq. No.	6209	Seq. ID	OJ990903_13.0225.C47
Gene No.	13068	Strand	-
Start	1709	End	2086
Name	OJ990903_13.0225.C47.o2.gs	Method	GENSCAN
Start	1709	End	2086
GI	none	Score	.84
Exons	1709..1797, 2015..2086		

Seq. No.	6210	Seq. ID	OJ990903_13.0225.C50
Gene No.	13069	Strand	+
Start	1362	End	1461
Name	OJ990903_13.0225.C50.o1.gp	Method	AAT/GAP
Start	1362	End	1461
GI	LIB3477-003-P1-K1-E9	Score	121
Exons	1362..1461		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6211	Seq. ID	OJ990903_13.0225.C52
Gene No.	13070	Strand	+
Start	1	End	845
Name	OJ990903_13.0225.C52.o1.np	Method	AAT/NAP
Start	1	End	845
GI	5306262	Score	218
Exons	1..185, 279..561, 808..845		
GI Descrip.	(AC006233) putative lipase [Arabidopsis thaliana]		

Seq. No.	6211	Seq. ID	OJ990903_13.0225.C52
Gene No.	13070	Strand	+
Start	1	End	845
Name	OJ990903_13.0225.C52.o1.tw	Method	TBLASTX:Wheat
Start	34	End	382
GI	none	Score	121
Exons	34..114, 38..112, 38..115, 103..150, 104..187, 107..193, 273..374, 276..377, 281..382, 322..375		

Seq. No.	6211	Seq. ID	OJ990903_13.0225.C52
Gene No.	13070	Strand	+
Start	1	End	845
Name	OJ990903_13.0225.C52.o1.gp	Method	AAT/GAP
Start	36	End	552
GI	29916_1.R1084	Score	763
Exons	36..185, 279..552		
GI Descrip.	'4314378/gb|AAD15588| 2.0e-65 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	6211	Seq. ID	OJ990903_13.0225.C52

Gene No.	13070	Strand	+
Start	1	End	845
Name	OJ990903_13.0225.C52.o1.gs	Method	GENSCAN
Start	147	End	552
GI	none	Score	.99
Exons	147..185, 279..552		

Seq. No.	6211	Seq. ID	OJ990903_13.0225.C52
Gene No.	13070	Strand	+
Start	1	End	845
Name	OJ990903_13.0225.C52.o1.tm	Method	TBLASTX:Maize
Start	272	End	555
GI	none	Score	470
Exons	272..553, 273..554, 274..555		

Seq. No.	6211	Seq. ID	OJ990903_13.0225.C52
Gene No.	13070	Strand	+
Start	1	End	845
Name	OJ990903_13.0225.C52.o2.tw	Method	TBLASTX:Wheat
Start	383	End	559
GI	none	Score	188
Exons	383..559, 384..554		

Seq. No.	6212	Seq. ID	OJ990903_13.0225.C53
Gene No.	13071	Strand	+
Start	876	End	3307
Name	OJ990903_13.0225.C53.o1.gs	Method	GENSCAN
Start	876	End	3307
GI	none	Score	.62
Exons	876..997, 2732..3046, 3097..3307		

Seq. No.	6212	Seq. ID	OJ990903_13.0225.C53
Gene No.	13072	Strand	-
Start	306	End	663
Name	OJ990903_13.0225.C53.o1.np	Method	AAT/NAP
Start	306	End	663
GI	4584355	Score	204
Exons	306..663		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	6213	Seq. ID	OJ990903_13.0225.C57
Gene No.	13073	Strand	+
Start	38	End	520
Name	OJ990903_13.0225.C57.o1.np	Method	AAT/NAP
Start	38	End	520
GI	3882356	Score	63
Exons	38..269, 501..520		
GI Descrip.	(U92460) 12-oxophytodienoate reductase OPR2 [Arabidopsis thaliana] gi|6143903|gb|AAF04449.1|AC010718_18 (AC010718) 12-oxophytodienoate reductase (OPR2) [Arabidopsis thaliana]		

Seq. No.	6213	Seq. ID	OJ990903_13.0225.C57
Gene No.	13073	Strand	+
Start	38	End	520
Name	OJ990903_13.0225.C57.o1.gs	Method	GENSCAN
Start	163	End	331
GI	none	Score	.5

Exons	163..331		
Seq. No.	6214	Seq. ID	OJ990603_01.0228.C4
Gene No.	13074	Strand	
Start	11	End	811
Name	OJ990603_01.0228.C4.o1.tm	Method	TBLASTX:Maize
Start	11	End	811
GI	none	Score	85
Exons	11..91, 11..55, 83..406, 110..469, 542..640, 542..640, 647..811, 648..755		
Seq. No.	6214	Seq. ID	OJ990603_01.0228.C4
Gene No.	13074	Strand	
Start	11	End	811
Name	OJ990603_01.0228.C4.o1.ts	Method	TBLASTX:Soybean
Start	11	End	655
GI	none	Score	95
Exons	11..55, 110..364, 114..224, 569..655		
Seq. No.	6214	Seq. ID	OJ990603_01.0228.C4
Gene No.	13074	Strand	
Start	11	End	811
Name	OJ990603_01.0228.C4.o1.tw	Method	TBLASTX:Wheat
Start	80	End	400
GI	none	Score	248
Exons	80..400, 110..397		
Seq. No.	6215	Seq. ID	OJ990603_01.0228.C6
Gene No.	13075	Strand	-
Start	296	End	540
Name	OJ990603_01.0228.C6.o1.gp	Method	AAT/GAP
Start	296	End	540
GI	uC-osflcyp033a04b1	Score	414
Exons	296..540		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	6216	Seq. ID	OJ990603_01.0228.C19
Gene No.	13076	Strand	
Start	643	End	884
Name	OJ990603_01.0228.C19.o1.tw	Method	TBLASTX:Wheat
Start	643	End	884
GI	none	Score	207
Exons	643..879, 703..846, 771..884		
Seq. No.	6217	Seq. ID	OJ990603_01.0228.C26
Gene No.	13077	Strand	
Start	2760	End	3336
Name	OJ990603_01.0228.C26.o1.tw	Method	TBLASTX:Wheat
Start	2760	End	3123
GI	none	Score	304
Exons	2760..2864, 2764..3123, 2889..3122		
Seq. No.	6217	Seq. ID	OJ990603_01.0228.C26
Gene No.	13077	Strand	
Start	2760	End	3336
Name	OJ990603_01.0228.C26.o1.tm	Method	TBLASTX:Maize

Start	3003	End	3336
GI	none	Score	209
Exons	3003..3191, 3004..3336, 3004..3288		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13078	Strand	
Start	21	End	341
Name	OJ990603_01.0228.C27.o5.tw	Method	TBLASTX:Wheat
Start	21	End	341
GI	none	Score	124
Exons	21..206, 246..341, 263..340		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13079	Strand	
Start	345	End	1214
Name	OJ990603_01.0228.C27.o2.tw	Method	TBLASTX:Wheat
Start	345	End	827
GI	none	Score	529
Exons	345..827, 449..784		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13079	Strand	
Start	345	End	1214
Name	OJ990603_01.0228.C27.o3.tm	Method	TBLASTX:Maize
Start	357	End	646
GI	none	Score	302
Exons	357..644, 455..646		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13079	Strand	
Start	345	End	1214
Name	OJ990603_01.0228.C27.o2.tm	Method	TBLASTX:Maize
Start	714	End	1214
GI	none	Score	161
Exons	714..893, 879..1214, 966..1169		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13079	Strand	
Start	345	End	1214
Name	OJ990603_01.0228.C27.o1.ts	Method	TBLASTX:Soybean
Start	768	End	1163
GI	none	Score	57
Exons	768..800, 768..812, 804..1163, 804..884, 899..1162		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13079	Strand	
Start	345	End	1214
Name	OJ990603_01.0228.C27.o3.tw	Method	TBLASTX:Wheat
Start	876	End	1178
GI	none	Score	382
Exons	876..1178, 877..978, 896..1177		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13080	Strand	
Start	1179	End	1688
Name	OJ990603_01.0228.C27.o1.tw	Method	TBLASTX:Wheat
Start	1179	End	1688

GI	none	Score	623
Exons	1179..1688, 1211..1522, 1257..1604		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13080	Strand	
Start	1179	End	1688
Name	OJ990603_01.0228.C27.o2.ts	Method	TBLASTX:Soybean
Start	1203	End	1430
GI	none	Score	198
Exons	1203..1430		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13080	Strand	
Start	1179	End	1688
Name	OJ990603_01.0228.C27.o1.tm	Method	TBLASTX:Maize
Start	1251	End	1616
GI	none	Score	488
Exons	1251..1604, 1253..1519, 1305..1616, 1412..1609		

Seq. No.	6218	Seq. ID	OJ990603_01.0228.C27
Gene No.	13081	Strand	
Start	1692	End	1913
Name	OJ990603_01.0228.C27.o4.tw	Method	TBLASTX:Wheat
Start	1692	End	1913
GI	none	Score	196
Exons	1692..1913, 1763..1864		

Seq. No.	6219	Seq. ID	OJ990603_01.0228.C28
Gene No.	13082	Strand	
Start	2	End	283
Name	OJ990603_01.0228.C28.o1.tw	Method	TBLASTX:Wheat
Start	2	End	229
GI	none	Score	225
Exons	2..229		

Seq. No.	6219	Seq. ID	OJ990603_01.0228.C28
Gene No.	13082	Strand	
Start	2	End	283
Name	OJ990603_01.0228.C28.o1.tm	Method	TBLASTX:Maize
Start	26	End	283
GI	none	Score	220
Exons	26..250, 251..283		

Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13083	Strand	
Start	55	End	589
Name	OJ990603_01.0228.C29.o1.tw	Method	TBLASTX:Wheat
Start	55	End	589
GI	none	Score	299
Exons	55..201, 56..589, 63..407		

Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13083	Strand	
Start	55	End	589
Name	OJ990603_01.0228.C29.o2.ts	Method	TBLASTX:Soybean
Start	55	End	262
GI	none	Score	133

Exons	55..138, 56..262, 57..251		
Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13083	Strand	
Start	55	End	589
Name	OJ990603_01.0228.C29.o4.tm	Method	TBLASTX:Maize
Start	59	End	433
GI	none	Score	156
Exons	59..406, 87..407, 101..433		
Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13084	Strand	
Start	617	End	1042
Name	OJ990603_01.0228.C29.o1.tm	Method	TBLASTX:Maize
Start	617	End	970
GI	none	Score	210
Exons	617..970, 624..959		
Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13084	Strand	
Start	617	End	1042
Name	OJ990603_01.0228.C29.o2.tw	Method	TBLASTX:Wheat
Start	617	End	1042
GI	none	Score	265
Exons	617..1042, 624..959, 978..1040		
Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13084	Strand	
Start	617	End	1042
Name	OJ990603_01.0228.C29.o3.ts	Method	TBLASTX:Soybean
Start	788	End	1036
GI	none	Score	212
Exons	788..1036		
Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13085	Strand	
Start	977	End	1453
Name	OJ990603_01.0228.C29.o3.tm	Method	TBLASTX:Maize
Start	977	End	1309
GI	none	Score	142
Exons	977..1309, 978..1256		
Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13085	Strand	
Start	977	End	1453
Name	OJ990603_01.0228.C29.o4.tw	Method	TBLASTX:Wheat
Start	1043	End	1306
GI	none	Score	250
Exons	1043..1306, 1044..1304		
Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13085	Strand	
Start	977	End	1453
Name	OJ990603_01.0228.C29.o1.ts	Method	TBLASTX:Soybean
Start	1058	End	1453
GI	none	Score	189
Exons	1058..1309, 1068..1301, 1364..1417, 1374..1415, 1421..1453,		

1421..1453

Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13086	Strand	
Start	1364	End	1877
Name	OJ990603_01.0228.C29.o2.tm	Method	TBLASTX:Maize
Start	1364	End	1811
GI	none	Score	108
Exons	1364..1807, 1374..1811		

Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13086	Strand	
Start	1364	End	1877
Name	OJ990603_01.0228.C29.o3.tw	Method	TBLASTX:Wheat
Start	1394	End	1877
GI	none	Score	223
Exons	1394..1876, 1397..1852, 1437..1877		

Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13086	Strand	
Start	1364	End	1877
Name	OJ990603_01.0228.C29.o4.ts	Method	TBLASTX:Soybean
Start	1526	End	1840
GI	none	Score	184
Exons	1526..1840		

Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13087	Strand	
Start	1812	End	2005
Name	OJ990603_01.0228.C29.o5.tm	Method	TBLASTX:Maize
Start	1812	End	2005
GI	none	Score	148
Exons	1812..1967, 1814..2005		

Seq. No.	6220	Seq. ID	OJ990603_01.0228.C29
Gene No.	13088	Strand	
Start	2009	End	2362
Name	OJ990603_01.0228.C29.o5.tw	Method	TBLASTX:Wheat
Start	2009	End	2362
GI	none	Score	259
Exons	2009..2362		

Seq. No.	6221	Seq. ID	OJ990603_01.0228.C30
Gene No.	13089	Strand	
Start	260	End	568
Name	OJ990603_01.0228.C30.o1.tw	Method	TBLASTX:Wheat
Start	260	End	568
GI	none	Score	90
Exons	260..532, 260..568, 468..545		

Seq. No.	6222	Seq. ID	OJ990603_01.0228.C34
Gene No.	13090	Strand	-
Start	415	End	530
Name	OJ990603_01.0228.C34.o2.gp	Method	AAT/GAP
Start	415	End	530
GI	uC-osroM202016a12a1	Score	157
Exons	415..530		

GI Descrip. '6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'

Seq. No.	6223	Seq. ID	OJ990603_01.0228.C36
Gene No.	13091	Strand	
Start	717	End	1310
Name	OJ990603_01.0228.C36.o1.ts	Method	TBLASTX:Soybean
Start	717	End	1310
GI	none	Score	103
Exons	717..797, 996..1133, 1000..1116, 1191..1298, 1221..1310		

Seq. No.	6223	Seq. ID	OJ990603_01.0228.C36
Gene No.	13091	Strand	
Start	717	End	1310
Name	OJ990603_01.0228.C36.o1.tm	Method	TBLASTX:Maize
Start	996	End	1310
GI	none	Score	181
Exons	996..1160, 1000..1158, 1001..1297, 1002..1298, 1215..1310		

Seq. No.	6223	Seq. ID	OJ990603_01.0228.C36
Gene No.	13091	Strand	
Start	717	End	1310
Name	OJ990603_01.0228.C36.o1.tw	Method	TBLASTX:Wheat
Start	996	End	1310
GI	none	Score	81
Exons	996..1109, 1000..1122, 1179..1298, 1190..1288, 1218..1310		

Seq. No.	6224	Seq. ID	OJ990603_01.0228.C38
Gene No.	13092	Strand	
Start	27	End	273
Name	OJ990603_01.0228.C38.o1.tm	Method	TBLASTX:Maize
Start	27	End	273
GI	none	Score	192
Exons	27..269, 28..264, 49..273		

Seq. No.	6225	Seq. ID	OJ990603_01.0228.C41
Gene No.	13093	Strand	
Start	109	End	505
Name	OJ990603_01.0228.C41.o1.tw	Method	TBLASTX:Wheat
Start	109	End	505
GI	none	Score	49
Exons	109..501, 259..468, 272..505, 297..503		

Seq. No.	6225	Seq. ID	OJ990603_01.0228.C41
Gene No.	13094	Strand	
Start	565	End	780
Name	OJ990603_01.0228.C41.o1.tm	Method	TBLASTX:Maize
Start	565	End	780
GI	none	Score	53
Exons	565..780, 566..613, 659..721		

Seq. No.	6226	Seq. ID	OJ990603_01.0228.C42
Gene No.	13095	Strand	
Start	88	End	747
Name	OJ990603_01.0228.C42.o1.tw	Method	TBLASTX:Wheat
Start	88	End	706
GI	none	Score	110

Exons	88..375, 89..376, 352..585, 359..706, 361..705		
Seq. No.	6226	Seq. ID	OJ990603_01.0228.C42
Gene No.	13095	Strand	
Start	88	End	747
Name	OJ990603_01.0228.C42.o1.tm	Method	TBLASTX:Maize
Start	172	End	567
GI	none	Score	252
Exons	172..567		
Seq. No.	6226	Seq. ID	OJ990603_01.0228.C42
Gene No.	13095	Strand	
Start	88	End	747
Name	OJ990603_01.0228.C42.o1.ts	Method	TBLASTX:Soybean
Start	280	End	669
GI	none	Score	127
Exons	280..669, 322..588, 386..652		
Seq. No.	6226	Seq. ID	OJ990603_01.0228.C42
Gene No.	13095	Strand	
Start	88	End	747
Name	OJ990603_01.0228.C42.o1.tc	Method	TBLASTX:Cress
Start	496	End	747
GI	none	Score	183
Exons	496..747		
Seq. No.	6227	Seq. ID	OJ990603_01.0228.C47
Gene No.	13096	Strand	
Start	20	End	343
Name	OJ990603_01.0228.C47.o2.tw	Method	TBLASTX:Wheat
Start	20	End	302
GI	none	Score	223
Exons	20..301, 24..302		
Seq. No.	6227	Seq. ID	OJ990603_01.0228.C47
Gene No.	13096	Strand	
Start	20	End	343
Name	OJ990603_01.0228.C47.o1.tm	Method	TBLASTX:Maize
Start	23	End	343
GI	none	Score	172
Exons	23..328, 26..343, 30..332		
Seq. No.	6227	Seq. ID	OJ990603_01.0228.C47
Gene No.	13097	Strand	
Start	260	End	625
Name	OJ990603_01.0228.C47.o1.ts	Method	TBLASTX:Soybean
Start	260	End	520
GI	none	Score	151
Exons	260..520, 261..515		
Seq. No.	6227	Seq. ID	OJ990603_01.0228.C47
Gene No.	13097	Strand	
Start	260	End	625
Name	OJ990603_01.0228.C47.o1.tc	Method	TBLASTX:Cress
Start	284	End	601
GI	none	Score	81
Exons	284..427, 285..425, 428..601		

Seq. No.	6227	Seq. ID	OJ990603_01.0228.C47
Gene No.	13097	Strand	
Start	260	End	625
Name	OJ990603_01.0228.C47.o1.tw	Method	TBLASTX:Wheat
Start	308	End	619
GI	none	Score	237
Exons	308..619, 309..563, 314..595		

Seq. No.	6227	Seq. ID	OJ990603_01.0228.C47
Gene No.	13097	Strand	
Start	260	End	625
Name	OJ990603_01.0228.C47.o2.tm	Method	TBLASTX:Maize
Start	344	End	625
GI	none	Score	101
Exons	344..625, 345..548, 356..577		

Seq. No.	6228	Seq. ID	OJ990603_01.0228.C50
Gene No.	13098	Strand	
Start	458	End	688
Name	OJ990603_01.0228.C50.o1.tw	Method	TBLASTX:Wheat
Start	458	End	688
GI	none	Score	75
Exons	458..688, 509..640		

Seq. No.	6229	Seq. ID	OJ990603_01.0228.C51
Gene No.	13099	Strand	
Start	98	End	296
Name	OJ990603_01.0228.C51.o2.tw	Method	TBLASTX:Wheat
Start	98	End	296
GI	none	Score	198
Exons	98..295, 114..296, 123..296		

Seq. No.	6229	Seq. ID	OJ990603_01.0228.C51
Gene No.	13100	Strand	
Start	345	End	674
Name	OJ990603_01.0228.C51.o1.tw	Method	TBLASTX:Wheat
Start	345	End	674
GI	none	Score	294
Exons	345..542, 348..674		

Seq. No.	6229	Seq. ID	OJ990603_01.0228.C51
Gene No.	13100	Strand	
Start	345	End	674
Name	OJ990603_01.0228.C51.o1.tm	Method	TBLASTX:Maize
Start	348	End	653
GI	none	Score	243
Exons	348..653, 348..557		

Seq. No.	6230	Seq. ID	OJ990603_01.0228.C52
Gene No.	13101	Strand	
Start	135	End	373
Name	OJ990603_01.0228.C52.o1.tm	Method	TBLASTX:Maize
Start	135	End	373
GI	none	Score	122
Exons	135..161, 229..372, 233..373		

Seq. No.	6231	Seq. ID	OJ990603_01.0228.C53
Gene No.	13102	Strand	
Start	180	End	538
Name	OJ990603_01.0228.C53.o1.tw	Method	TBLASTX:Wheat
Start	180	End	538
GI	none	Score	185
Exons	180..458, 202..474, 476..538		

Seq. No.	6232	Seq. ID	OJ990603_01.0228.C55
Gene No.	13103	Strand	-
Start	710	End	776
Name	OJ990603_01.0228.C55.o1.gp	Method	AAT/GAP
Start	710	End	776
GI	4879016	Score	96
Exons	710..776		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	6232	Seq. ID	OJ990603_01.0228.C55
Gene No.	13104	Strand	-
Start	1500	End	1881
Name	OJ990603_01.0228.C55.o2.gp	Method	AAT/GAP
Start	1500	End	1881
GI	uC-osflcyp033a04b1	Score	667
Exons	1500..1881		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6233	Seq. ID	OJ990603_01.0228.C57
Gene No.	13105	Strand	
Start	10	End	372
Name	OJ990603_01.0228.C57.o1.tw	Method	TBLASTX:Wheat
Start	10	End	372
GI	none	Score	65
Exons	10..372, 263..361, 268..363		

Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o1.ts	Method	TBLASTX:Soybean
Start	3	End	410
GI	5509260	Score	316
Exons	3..410, 222..389, 332..391		
GI Descrip.	-		

Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o1.tc	Method	TBLASTX:Cress
Start	39	End	299
GI	none	Score	255
Exons	39..299		

Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290

Name	OJ990603_01.0228.C61.o1.tm	Method	TBLASTX:Maize
Start	81	End	545
GI	none	Score	318
Exons	81..545, 216..398, 332..442		

Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o2.tw	Method	TBLASTX:Wheat
Start	81	End	626
GI	none	Score	277
Exons	81..425, 441..626, 447..596, 494..616		

Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o2.ts	Method	TBLASTX:Soybean
Start	482	End	825
GI	none	Score	207
Exons	482..685, 483..686, 685..825		

Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o2.tm	Method	TBLASTX:Maize
Start	697	End	975
GI	none	Score	214
Exons	697..960, 742..975, 747..974		

Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o3.ts	Method	TBLASTX:Soybean
Start	826	End	1194
GI	none	Score	91
Exons	826..951, 970..1194		

Seq. No.	6234	Seq. ID	OJ990603_01.0228.C61
Gene No.	13106	Strand	
Start	3	End	1290
Name	OJ990603_01.0228.C61.o1.tw	Method	TBLASTX:Wheat
Start	831	End	1290
GI	none	Score	77
Exons	831..878, 832..906, 833..904, 921..1289, 921..1280, 922..1290		

Seq. No.	6235	Seq. ID	OJ990603_01.0228.C65
Gene No.	13107	Strand	
Start	66	End	457
Name	OJ990603_01.0228.C65.o1.tm	Method	TBLASTX:Maize
Start	66	End	456
GI	none	Score	143
Exons	66..455, 70..321, 87..455, 367..456		

Seq. No.	6235	Seq. ID	OJ990603_01.0228.C65
Gene No.	13107	Strand	
Start	66	End	457
Name	OJ990603_01.0228.C65.o1.tw	Method	TBLASTX:Wheat

Start	147	End	457
GI	none	Score	178
Exons	147..455, 148..456, 344..457		

Seq. No.	6236	Seq. ID	OJ990603_01.0228.C69
Gene No.	13108	Strand	-
Start	370	End	522
Name	OJ990603_01.0228.C69.o1.gp	Method	AAT/GAP
Start	370	End	522
GI	700189	Score	123
Exons	370..448, 495..522		
GI Descrip.	5817110/emb|CAB53671.1| 1.0e-23 (AL110193) hypothetical protein [Homo sapiens]		

Seq. No.	6237	Seq. ID	OJ000108_58.0228.C3
Gene No.	13109	Strand	-
Start	904	End	1127
Name	OJ000108_58.0228.C3.o1.tw	Method	TBLASTX:Wheat
Start	877	End	1020
GI	none	Score	132
Exons	877..1020, 878..1006		

Seq. No.	6237	Seq. ID	OJ000108_58.0228.C3
Gene No.	13109	Strand	-
Start	904	End	1127
Name	OJ000108_58.0228.C3.o1.gp	Method	AAT/GAP
Start	904	End	1127
GI	2310876	Score	374
Exons	904..1127		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13110	Strand	
Start	6641	End	7033
Name	OJ000108_58.0228.C6.o6.tw	Method	TBLASTX:Wheat
Start	6641	End	7033
GI	none	Score	55
Exons	6641..6688, 6695..6793, 6712..6792, 6760..6999, 6776..7033		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13110	Strand	
Start	6641	End	7033
Name	OJ000108_58.0228.C6.o4.tm	Method	TBLASTX:Maize
Start	6683	End	6931
GI	none	Score	193
Exons	6683..6931, 6685..6930		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13111	Strand	
Start	7771	End	8257
Name	OJ000108_58.0228.C6.o3.tw	Method	TBLASTX:Wheat
Start	7771	End	8257
GI	none	Score	415
Exons	7771..7944, 7772..8257, 7966..8253		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13112	Strand	
Start	8421	End	8908

Name	OJ000108_58.0228.C6.o1.tw	Method	TBLASTX:Wheat
Start	8421	End	8884
GI	none	Score	208
Exons	8421..8864, 8422..8883, 8423..8884		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13112	Strand	
Start	8421	End	8908
Name	OJ000108_58.0228.C6.o3.ts	Method	TBLASTX:Soybean
Start	8462	End	8827
GI	none	Score	117
Exons	8462..8686, 8693..8827		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13112	Strand	
Start	8421	End	8908
Name	OJ000108_58.0228.C6.o1.tm	Method	TBLASTX:Maize
Start	8552	End	8908
GI	none	Score	393
Exons	8552..8908, 8587..8898, 8618..8908		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13113	Strand	
Start	8935	End	9442
Name	OJ000108_58.0228.C6.o3.tm	Method	TBLASTX:Maize
Start	8935	End	9319
GI	none	Score	353
Exons	8935..9300, 8936..9319		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13113	Strand	
Start	8935	End	9442
Name	OJ000108_58.0228.C6.o2.tw	Method	TBLASTX:Wheat
Start	8993	End	9417
GI	none	Score	481
Exons	8993..9412, 8998..9417		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13113	Strand	
Start	8935	End	9442
Name	OJ000108_58.0228.C6.o1.ts	Method	TBLASTX:Soybean
Start	9071	End	9442
GI	none	Score	274
Exons	9071..9442, 9088..9231		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13114	Strand	
Start	10043	End	10816
Name	OJ000108_58.0228.C6.o5.tw	Method	TBLASTX:Wheat
Start	10043	End	10501
GI	none	Score	234
Exons	10043..10291, 10067..10291, 10132..10305, 10352..10501, 10361..10498, 10363..10500		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13114	Strand	
Start	10043	End	10816

Name	OJ000108_58.0228.C6.o2.ts	Method	TBLASTX:Soybean
Start	10190	End	10756
GI	5666795	Score	68
Exons	10190..10288, 10364..10501, 10556..10756		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13114	Strand	
Start	10043	End	10816
Name	OJ000108_58.0228.C6.o7.tw	Method	TBLASTX:Wheat
Start	10504	End	10816
GI	none	Score	192
Exons	10504..10680, 10517..10705, 10556..10816		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13115	Strand	
Start	11009	End	11500
Name	OJ000108_58.0228.C6.o2.tm	Method	TBLASTX:Maize
Start	11009	End	11371
GI	none	Score	361
Exons	11009..11332, 11038..11319, 11324..11371		

Seq. No.	6238	Seq. ID	OJ000108_58.0228.C6
Gene No.	13115	Strand	
Start	11009	End	11500
Name	OJ000108_58.0228.C6.o4.tw	Method	TBLASTX:Wheat
Start	11146	End	11500
GI	none	Score	365
Exons	11146..11202, 11147..11500, 11248..11496		

Seq. No.	6239	Seq. ID	OJ000108_58.0228.C7
Gene No.	13116	Strand	
Start	77	End	259
Name	OJ000108_58.0228.C7.o1.tm	Method	TBLASTX:Maize
Start	77	End	259
GI	none	Score	192
Exons	77..259, 82..258		

Seq. No.	6240	Seq. ID	OJ000108_58.0228.C8
Gene No.	13117	Strand	+
Start	430	End	771
Name	OJ000108_58.0228.C8.o1.tc	Method	TBLASTX:Cress
Start	286	End	730
GI	none	Score	352
Exons	286..633, 287..730, 392..634		

Seq. No.	6240	Seq. ID	OJ000108_58.0228.C8
Gene No.	13117	Strand	+
Start	430	End	771
Name	OJ000108_58.0228.C8.o1.ts	Method	TBLASTX:Soybean
Start	374	End	718
GI	none	Score	337
Exons	374..718, 383..634, 391..681		

Seq. No.	6240	Seq. ID	OJ000108_58.0228.C8
Gene No.	13117	Strand	+
Start	430	End	771

Name	OJ000108_58.0228.C8.o1.tm	Method	TBLASTX:Maize
Start	419	End	742
GI	none	Score	373
Exons	419..742, 420..704, 424..705		

Seq. No.	6240	Seq. ID	OJ000108_58.0228.C8
Gene No.	13117	Strand	+
Start	430	End	771
Name	OJ000108_58.0228.C8.o1.gp	Method	AAT/GAP
Start	430	End	771
GI	59584_1.R1084	Score	677
Exons	430..771		
GI Descrip.	'3738230/dbj|BAA33794| 1.0e-22 (AB007790) DREB2A [Arabidopsis thaliana] >gi_4126706_dbj_BAA36705_ (AB016570) DREB2A [Arabidopsis thaliana]'		

Seq. No.	6241	Seq. ID	OJ000108_58.0228.C9
Gene No.	13118	Strand	
Start	3	End	1247
Name	OJ000108_58.0228.C9.o1.tc	Method	TBLASTX:Cress
Start	3	End	243
GI	none	Score	215
Exons	3..242, 4..243		

Seq. No.	6241	Seq. ID	OJ000108_58.0228.C9
Gene No.	13118	Strand	
Start	3	End	1247
Name	OJ000108_58.0228.C9.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1247
GI	none	Score	77
Exons	3..419, 468..512, 1017..1148, 1161..1247		

Seq. No.	6241	Seq. ID	OJ000108_58.0228.C9
Gene No.	13118	Strand	
Start	3	End	1247
Name	OJ000108_58.0228.C9.o1.tm	Method	TBLASTX:Maize
Start	160	End	1087
GI	none	Score	595
Exons	160..573, 160..573, 162..578, 996..1085, 1015..1086, 1016..1087, 1017..1085		

Seq. No.	6241	Seq. ID	OJ000108_58.0228.C9
Gene No.	13118	Strand	
Start	3	End	1247
Name	OJ000108_58.0228.C9.o2.tc	Method	TBLASTX:Cress
Start	327	End	1202
GI	none	Score	165
Exons	327..578, 352..573, 1015..1122, 1017..1202, 1023..1202		

Seq. No.	6241	Seq. ID	OJ000108_58.0228.C9
Gene No.	13119	Strand	
Start	1199	End	1392
Name	OJ000108_58.0228.C9.o2.tm	Method	TBLASTX:Maize
Start	1199	End	1392
GI	none	Score	127
Exons	1199..1375, 1200..1376, 1200..1391, 1201..1392		

Seq. No.	6242	Seq. ID	OJ000108_58.0228.C10
Gene No.	13120	Strand	-
Start	1	End	280
Name	OJ000108_58.0228.C10.o1.gp	Method	AAT/GAP
Start	1	End	280
GI	none	Score	560
Exons	1..280		

Seq. No.	6242	Seq. ID	OJ000108_58.0228.C10
Gene No.	13121	Strand	
Start	2264	End	3983
Name	OJ000108_58.0228.C10.o1.tm	Method	TBLASTX:Maize
Start	2264	End	3983
GI	none	Score	83
Exons	2264..2368, 2285..2452, 2656..2745, 2671..2748, 2829..2912, 2831..2914, 2834..2914, 2836..2925, 2840..2899, 3582..3782, 3582..3758, 3590..3781, 3591..3791, 3624..3785, 3648..3749, 3860..3895, 3882..3983, 3884..3982, 3884..3934		

Seq. No.	6243	Seq. ID	OJ000108_58.0228.C14
Gene No.	13122	Strand	+
Start	7949	End	8050
Name	OJ000108_58.0228.C14.o2.gp	Method	AAT/GAP
Start	7949	End	8050
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	7949..8050		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6243	Seq. ID	OJ000108_58.0228.C14
Gene No.	13123	Strand	-
Start	2620	End	2937
Name	OJ000108_58.0228.C14.o1.ts	Method	TBLASTX:Soybean
Start	2307	End	2598
GI	none	Score	232
Exons	2307..2489, 2311..2490, 2491..2598		

Seq. No.	6243	Seq. ID	OJ000108_58.0228.C14
Gene No.	13123	Strand	-
Start	2620	End	2937
Name	OJ000108_58.0228.C14.o1.tc	Method	TBLASTX:Cress
Start	2310	End	2598
GI	none	Score	250
Exons	2310..2489, 2314..2490, 2497..2598, 2499..2591		

Seq. No.	6243	Seq. ID	OJ000108_58.0228.C14
Gene No.	13123	Strand	-
Start	2620	End	2937
Name	OJ000108_58.0228.C14.o1.tm	Method	TBLASTX:Maize
Start	2322	End	2598
GI	none	Score	268
Exons	2322..2489, 2323..2490, 2491..2598, 2514..2588		

Seq. No.	6243	Seq. ID	OJ000108_58.0228.C14
Gene No.	13123	Strand	-
Start	2620	End	2937

Name	OJ000108_58.0228.C14.o1.gp	Method	AAT/GAP
Start	2620	End	2937
GI	2280610	Score	598
Exons	2620..2937		

Seq. No.	6243	Seq. ID	OJ000108_58.0228.C14
Gene No.	13124	Strand	
Start	4384	End	5047
Name	OJ000108_58.0228.C14.o2.tm	Method	TBLASTX:Maize
Start	4384	End	5047
GI	none	Score	67
Exons	4384..4542, 4387..4536, 4390..4539, 4391..4537, 4394..4549, 4399..4551, 4399..4548, 4419..4460, 4432..4506, 4486..4578, 4487..4594, 4539..4631, 4540..4632, 4567..4719, 4575..4733, 4579..4734, 4581..4724, 4584..4724, 4594..4752, 4613..4723, 4617..4724, 4723..4881, 4726..4806, 4745..4867, 4775..4897, 4775..4885, 4782..4841, 4889..5023, 4890..5015, 4892..5047, 4893..5030, 4923..5024		

Seq. No.	6244	Seq. ID	OJ000108_58.0228.C16
Gene No.	13125	Strand	
Start	6792	End	8005
Name	OJ000108_58.0228.C16.o2.tm	Method	TBLASTX:Maize
Start	6792	End	8002
GI	none	Score	88
Exons	6792..6848, 6793..6846, 7489..7554, 7490..7603, 7703..7786, 7793..7828, 7946..8002		

Seq. No.	6244	Seq. ID	OJ000108_58.0228.C16
Gene No.	13125	Strand	
Start	6792	End	8005
Name	OJ000108_58.0228.C16.o1.tw	Method	TBLASTX:Wheat
Start	6796	End	8005
GI	none	Score	64
Exons	6796..6846, 7492..7557, 7493..7603, 7703..7744, 7787..7828, 7929..8000, 7946..8005		

Seq. No.	6244	Seq. ID	OJ000108_58.0228.C16
Gene No.	13126	Strand	
Start	8090	End	9226
Name	OJ000108_58.0228.C16.o1.tm	Method	TBLASTX:Maize
Start	8090	End	9226
GI	none	Score	62
Exons	8090..8134, 8090..8134, 8230..8295, 8230..8295, 8234..8302, 8395..8562, 8400..8573, 8400..8579, 8401..8598, 8402..8605, 8913..9008, 8914..9009, 8932..9009, 9119..9226, 9121..9225		

Seq. No.	6244	Seq. ID	OJ000108_58.0228.C16
Gene No.	13126	Strand	
Start	8090	End	9226
Name	OJ000108_58.0228.C16.o1.ts	Method	TBLASTX:Soybean
Start	8258	End	9208
GI	none	Score	64
Exons	8258..8302, 8258..8296, 8395..8571, 8397..8579, 8914..9003, 8919..9008, 9127..9207, 9128..9208		

Seq. No.	6244	Seq. ID	OJ000108_58.0228.C16

Gene No.	13126	Strand	
Start	8090	End	9226
Name	OJ000108_58.0228.C16.o1.tc	Method	TBLASTX:Cress
Start	8400	End	9208
GI	none	Score	216
Exons	8400..8579, 8401..8571, 8914..9009, 8940..9005, 9119..9208, 9121..9204		

Seq. No.	6245	Seq. ID	OJ000108_58.0228.C21
Gene No.	13127	Strand	-
Start	6036	End	7136
Name	OJ000108_58.0228.C21.o1.tc	Method	TBLASTX:Cress
Start	3932	End	6100
GI	none	Score	69
Exons	3932..4075, 3956..4087, 4091..4585, 4094..4585, 4106..4309, 4169..4585, 4187..4522, 4199..4576, 4232..4576, 4238..4381, 4241..4450, 4262..4522, 4280..4585, 4282..4365, 4301..4477, 4342..4431, 4376..4546, 4376..4585, 4661..4765, 4793..4873, 4976..5047, 4976..5056, 5030..5242, 5048..5239, 5048..5230, 5056..5229, 5060..5239, 5098..5268, 5099..5245, 5102..5233, 5102..5230, 5123..5230, 5135..5233, 5135..5239, 5135..5245, 5150..5239, 5165..5386, 5240..5518, 5246..5530, 5258..5518, 5267..5470, 5267..5449, 5297..5530, 5354..5539, 5558..5662, 5765..6055, 5765..5902, 5765..6100, 5768..6100, 5791..6099, 5810..6085, 5816..6100, 5837..6046, 5855..6016, 5873..6100, 5990..6100		

Seq. No.	6245	Seq. ID	OJ000108_58.0228.C21
Gene No.	13127	Strand	-
Start	6036	End	7136
Name	OJ000108_58.0228.C21.o1.tw	Method	TBLASTX:Wheat
Start	3944	End	6100
GI	none	Score	66
Exons	3944..4099, 5267..5518, 5717..6088, 5857..6087, 5909..6100		

Seq. No.	6245	Seq. ID	OJ000108_58.0228.C21
Gene No.	13127	Strand	-
Start	6036	End	7136
Name	OJ000108_58.0228.C21.o1.ts	Method	TBLASTX:Soybean
Start	3953	End	6126
GI	none	Score	72
Exons	3953..4075, 4091..4429, 4106..4363, 4175..4435, 4202..4510, 4313..4573, 4337..4576, 4373..4576, 4400..4582, 4751..4888, 4976..5230, 5000..5110, 5060..5095, 5096..5230, 5111..5239, 5132..5239, 5141..5239, 5183..5278, 5192..5251, 5246..5377, 5252..5530, 5267..5512, 5267..5512, 5399..5518, 5570..5611, 5708..6121, 5735..5962, 5737..6126, 5765..5962, 5765..5824, 5774..6040, 5792..6094, 5855..5956, 5855..6034, 5861..6037		

Seq. No.	6245	Seq. ID	OJ000108_58.0228.C21
Gene No.	13127	Strand	-
Start	6036	End	7136
Name	OJ000108_58.0228.C21.o1.tm	Method	TBLASTX:Maize
Start	4235	End	6157
GI	none	Score	88
Exons	4235..4501, 4301..4585, 4322..4435, 4376..4513, 5057..5242, 5059..5607, 5060..5608, 5359..5613, 5771..5836, 5855..6037,		

5909..6046, 5939..6157

Seq. No.	6245	Seq. ID	OJ000108_58.0228.C21
Gene No.	13127	Strand	-
Start	6036	End	7136
Name	OJ000108_58.0228.C21.o1.gp	Method	AAT/GAP
Start	6036	End	7136
GI	2427608	Score	650
Exons	6036..6224, 6602..6659, 7004..7136		

Seq. No.	6246	Seq. ID	OJ000108_58.0228.C22
Gene No.	13128	Strand	
Start	18	End	981
Name	OJ000108_58.0228.C22.o1.tm	Method	TBLASTX:Maize
Start	18	End	944
GI	none	Score	110
Exons	18..218, 94..168, 120..272, 148..273, 673..789, 675..791, 870..944, 871..942		

Seq. No.	6246	Seq. ID	OJ000108_58.0228.C22
Gene No.	13128	Strand	
Start	18	End	981
Name	OJ000108_58.0228.C22.o1.ts	Method	TBLASTX:Soybean
Start	93	End	981
GI	none	Score	101
Exons	93..167, 94..168, 193..297, 673..789, 712..789, 714..824, 870..980, 871..981		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13129	Strand	+
Start	1009	End	1853
Name	OJ000108_58.0228.C23.o1.gp	Method	AAT/GAP
Start	1009	End	1853
GI	3766731	Score	930
Exons	1009..1245, 1349..1416, 1542..1853		
GI Descrip.	2651302 7.0e-10 (AC002336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o2.tm	Method	TBLASTX:Maize
Start	99	End	710
GI	none	Score	101
Exons	99..164, 100..168, 101..163, 259..390, 267..386, 476..706, 498..710, 500..703, 502..705		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o1.ts	Method	TBLASTX:Soybean
Start	522	End	1423
GI	5605823	Score	153
Exons	522..704, 527..685, 801..941, 806..940, 1011..1139, 1018..1173, 1162..1251, 1349..1423		
GI Descrip.	2651302 4.0e-67 (AC002336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o1.tm	Method	TBLASTX:Maize
Start	879	End	1677
GI	none	Score	100
Exons	879..941, 881..940, 1018..1251, 1020..1250, 1346..1414, 1347..1415, 1347..1415, 1348..1419, 1349..1471, 1534..1677, 1539..1619		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o2.gp	Method	AAT/GAP
Start	2316	End	4282
GI	22365_2.R1084	Score	1498
Exons	2316..2583, 2929..2988, 3075..3272, 3364..3548, 4166..4282		
GI Descrip.	'2651302 7.0e-10 (AC002336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o2.ts	Method	TBLASTX:Soybean
Start	2417	End	3531
GI	none	Score	68
Exons	2417..2557, 2929..2991, 3063..3275, 3181..3273, 3364..3531		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o1.tc	Method	TBLASTX:Cress
Start	2489	End	3505
GI	none	Score	41
Exons	2489..2557, 2553..2585, 2938..2991, 2954..2992, 3063..3275, 3073..3276, 3364..3489, 3365..3505		

Seq. No.	6247	Seq. ID	OJ000108_58.0228.C23
Gene No.	13130	Strand	-
Start	2316	End	4282
Name	OJ000108_58.0228.C23.o3.tm	Method	TBLASTX:Maize
Start	3123	End	3483
GI	none	Score	81
Exons	3123..3278, 3124..3273, 3370..3483, 3380..3457		

Seq. No.	6248	Seq. ID	OJ000108_58.0228.C25
Gene No.	13131	Strand	
Start	141	End	1543
Name	OJ000108_58.0228.C25.o1.tm	Method	TBLASTX:Maize
Start	141	End	1543
GI	none	Score	80
Exons	141..248, 141..248, 315..461, 315..461, 316..462, 775..828, 777..827, 995..1114, 1005..1091, 1006..1119, 1371..1532, 1390..1533, 1405..1533, 1478..1543		

Seq. No.	6249	Seq. ID	OJ000108_58.0228.C27

Gene No.	13132	Strand	+
Start	248	End	720
Name	OJ000108_58.0228.C27.o1.gp	Method	AAT/GAP
Start	248	End	720
GI	LIB3431-006-P1-K1-H11	Score	517
Exons	248..415, 495..581, 689..720		
GI Descrip.	'225174/prf||1210248A 2.0e-11 glutelin precursor [Oryza sativa]'		

Seq. No.	6249	Seq. ID	OJ000108_58.0228.C27
Gene No.	13133	Strand	-
Start	2744	End	3498
Name	OJ000108_58.0228.C27.o2.gp	Method	AAT/GAP
Start	2744	End	3498
GI	2796811	Score	307
Exons	2744..2872, 3408..3498		

Seq. No.	6249	Seq. ID	OJ000108_58.0228.C27
Gene No.	13134	Strand	
Start	5918	End	7406
Name	OJ000108_58.0228.C27.o1.tm	Method	TBLASTX:Maize
Start	5918	End	7406
GI	none	Score	107
Exons	5918..6001, 5922..6002, 5923..6003, 5938..6006, 6144..6239, 6145..6237, 6146..6241, 6767..6931, 6767..6925, 6768..6941, 6769..6963, 6769..6927, 7365..7406		

Seq. No.	6250	Seq. ID	OJ000108_58.0228.C30
Gene No.	13135	Strand	-
Start	1	End	80
Name	OJ000108_58.0228.C30.o1.gp	Method	AAT/GAP
Start	1	End	80
GI	2799165	Score	152
Exons	1..80		
GI Descrip.	225174/prf||1210248A 2.0e-11 glutelin precursor [Oryza sativa]		

Seq. No.	6251	Seq. ID	OJ000108_58.0228.C31
Gene No.	13136	Strand	
Start	3	End	233
Name	OJ000108_58.0228.C31.o1.tm	Method	TBLASTX:Maize
Start	3	End	233
GI	none	Score	50
Exons	3..44, 6..41, 104..229, 111..233, 122..232		

Seq. No.	6252	Seq. ID	OJ000118_20.0222.C2
Gene No.	13137	Strand	+
Start	343	End	3226
Name	OJ000118_20.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	340	End	2056
GI	none	Score	131
Exons	340..432, 340..399, 342..431, 1192..1335, 1198..1326, 1855..2055, 1856..2056, 1856..2056		

Seq. No.	6252	Seq. ID	OJ000118_20.0222.C2
Gene No.	13137	Strand	+
Start	343	End	3226
Name	OJ000118_20.0222.C2.o1.gs	Method	GENSCAN
Start	343	End	3226

GI	none	Score	.88
Exons	343..430, 1199..1326, 1856..2060, 2370..2542, 2701..2919, 3088..3226		

Seq. No.	6252	Seq. ID	OJ000118_20.0222.C2
Gene No.	13137	Strand	+
Start	343	End	3226
Name	OJ000118_20.0222.C2.o1.gp	Method	AAT/GAP
Start	1212	End	2427
GI	none	Score	708
Exons	1212..1326, 1856..2060, 2370..2427		

Seq. No.	6252	Seq. ID	OJ000118_20.0222.C2
Gene No.	13137	Strand	+
Start	343	End	3226
Name	OJ000118_20.0222.C2.o1.ts	Method	TBLASTX:Soybean
Start	1949	End	3211
GI	none	Score	79
Exons	1949..2056, 2367..2534, 2371..2535, 2372..2539, 2393..2539, 2725..2871, 2737..2871, 3016..3180, 3017..3178, 3182..3211		

Seq. No.	6252	Seq. ID	OJ000118_20.0222.C2
Gene No.	13137	Strand	+
Start	343	End	3226
Name	OJ000118_20.0222.C2.o2.tm	Method	TBLASTX:Maize
Start	2456	End	2923
GI	none	Score	127
Exons	2456..2542, 2459..2542, 2629..2652, 2704..2742, 2721..2918, 2722..2919, 2722..2919, 2735..2923		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13138	Strand	+
Start	1	End	9862
Name	OJ000118_20.0222.C3.o1.gp	Method	AAT/GAP
Start	1	End	142
GI	uC-osrocyp009b11b1	Score	280
Exons	1..142		
GI Descrip.	'4678384/emb|CAB41116.1| 7.0e-23 (AL049656) putative protein [Arabidopsis thaliana]'		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13138	Strand	+
Start	1	End	9862
Name	OJ000118_20.0222.C3.o1.np	Method	AAT/NAP
Start	1	End	593
GI	4678384	Score	762
Exons	1..593		
GI Descrip.	(AL049656) putative protein [Arabidopsis thaliana]		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13138	Strand	+
Start	1	End	9862
Name	OJ000118_20.0222.C3.o3.np	Method	AAT/NAP
Start	1	End	9862
GI	1076802	Score	197
Exons	1..263, 444..558, 5548..5677, 6249..6762, 9508..9862		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465)		

extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13138	Strand	+
Start	1	End	9862
Name	OJ000118_20.0222.C3.o1.gs	Method	GENSCAN
Start	48	End	593
GI	none	Score	1
Exons	48..593		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13139	Strand	-
Start	388	End	784
Name	OJ000118_20.0222.C3.o2.gp	Method	AAT/GAP
Start	388	End	784
GI	uC-osrocyp009g02a1	Score	734
Exons	388..784		
GI Descrip.	'4678384/emb|CAB41116.1| 2.0e-17 (AL049656) putative protein [Arabidopsis thaliana]'		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13140	Strand	-
Start	948	End	5616
Name	OJ000118_20.0222.C3.o2.tc	Method	TBLASTX:Cress
Start	2	End	182
GI	none	Score	237
Exons	2..172, 3..182		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13140	Strand	-
Start	948	End	5616
Name	OJ000118_20.0222.C3.o1.tc	Method	TBLASTX:Cress
Start	293	End	587
GI	none	Score	340
Exons	293..586, 294..587		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13140	Strand	-
Start	948	End	5616
Name	OJ000118_20.0222:C3.o1.ts	Method	TBLASTX:Soybean
Start	297	End	590
GI	none	Score	187
Exons	297..536, 299..433, 464..508, 515..589, 519..590		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13140	Strand	-
Start	948	End	5616
Name	OJ000118_20.0222.C3.o2.gs	Method	GENSCAN
Start	948	End	5616
GI	none	Score	.68
Exons	948..1441, 1733..1905, 2008..2372, 3381..3626, 4132..4269, 5521..5616		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13140	Strand	-
Start	948	End	5616

Name	OJ000118_20.0222.C3.o2.np	Method	AAT/NAP
Start	948	End	5121
GI	2494126	Score	996
Exons	948..1172, 1260..1851, 1955..3294, 3352..3599, 4132..4327, 4839..4965, 5043..5121		
GI Descrip.	(AC002376) Contains similarity to Chlamydia outer membrane protein (gb|X53512). [Arabidopsis thaliana]		

Seq. No.	6253	Seq. ID	OJ000118_20.0222.C3
Gene No.	13140	Strand	-
Start	948	End	5616
Name	OJ000118_20.0222.C3.o1.tm	Method	TBLASTX:Maize
Start	2028	End	2418
GI	none	Score	152
Exons	2028..2057, 2070..2111, 2112..2246, 2119..2247, 2202..2417, 2251..2418		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13141	Strand	+
Start	587	End	800
Name	OJ000118_20.0222.C4.o1.gp	Method	AAT/GAP
Start	587	End	800
GI	2796803	Score	363
Exons	587..800		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13142	Strand	+
Start	2952	End	3917
Name	OJ000118_20.0222.C4.o1.np	Method	AAT/NAP
Start	2952	End	3917
GI	5903045	Score	240
Exons	2952..3081, 3495..3917		
GI Descrip.	(AC008016) Similar to gb|AF108945 signal peptidase 18 kDa subunit from Homo sapiens. ESTs gb|H76629, gb|H76949 and gb|H76216 come from this gene. [Arabidopsis thaliana]		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13142	Strand	+
Start	2952	End	3917
Name	OJ000118_20.0222.C4.o1.gs	Method	GENSCAN
Start	3354	End	3881
GI	none	Score	.93
Exons	3354..3881		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13143	Strand	+
Start	4684	End	6522
Name	OJ000118_20.0222.C4.o2.np	Method	AAT/NAP
Start	4684	End	6522
GI	4512698	Score	461
Exons	4684..4706, 6068..6522		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o2.tm	Method	TBLASTX:Maize

Start	3524	End	3833
GI	none	Score	48
Exons	3524..3544, 3534..3572, 3626..3736, 3627..3791, 3774..3833		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o2.ts	Method	TBLASTX:Soybean
Start	3524	End	3833
GI	none	Score	48
Exons	3524..3544, 3534..3572, 3626..3751, 3627..3791, 3774..3833, 3776..3832		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o2.tc	Method	TBLASTX:Cress
Start	3534	End	3839
GI	none	Score	52
Exons	3534..3575, 3626..3772, 3627..3773, 3774..3833, 3774..3839		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o2.gs	Method	GENSCAN
Start	5483	End	6403
GI	none	Score	.52
Exons	5483..5816, 5818..6245, 6279..6403		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o1.tw	Method	TBLASTX:Wheat
Start	6086	End	6521
GI	none	Score	101
Exons	6086..6157, 6087..6158, 6236..6334, 6237..6449, 6456..6491, 6483..6521		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o1.tm	Method	TBLASTX:Maize
Start	6174	End	6521
GI	none	Score	63
Exons	6174..6224, 6212..6520, 6255..6521		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521
Name	OJ000118_20.0222.C4.o1.ts	Method	TBLASTX:Soybean
Start	6255	End	6449
GI	none	Score	257
Exons	6255..6377, 6260..6448, 6261..6449		

Seq. No.	6254	Seq. ID	OJ000118_20.0222.C4
Gene No.	13144	Strand	-
Start	5483	End	6521

Name	OJ000118_20.0222.C4.o1.tc	Method	TBLASTX:Cress
Start	6345	End	6520
GI	none	Score	214
Exons	6345..6518, 6380..6520		

Seq. No.	6255	Seq. ID	OJ000118_20.0222.C5
Gene No.	13145	Strand	+
Start	1	End	1472
Name	OJ000118_20.0222.C5.o1.np	Method	AAT/NAP
Start	1	End	1472
GI	4512698	Score	410
Exons	1..415, 1253..1472		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	6255	Seq. ID	OJ000118_20.0222.C5
Gene No.	13145	Strand	+
Start	1	End	1472
Name	OJ000118_20.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	4	End	191
GI	none	Score	252
Exons	4..129, 5..190, 9..191		

Seq. No.	6255	Seq. ID	OJ000118_20.0222.C5
Gene No.	13145	Strand	+
Start	1	End	1472
Name	OJ000118_20.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	5	End	386
GI	none	Score	454
Exons	5..382, 6..386		

Seq. No.	6255	Seq. ID	OJ000118_20.0222.C5
Gene No.	13145	Strand	+
Start	1	End	1472
Name	OJ000118_20.0222.C5.o1.gs	Method	GENSCAN
Start	12	End	1453
GI	none	Score	.77
Exons	12..415, 1309..1453		

Seq. No.	6256	Seq. ID	OJ000118_20.0222.C6
Gene No.	13146	Strand	+
Start	200	End	271
Name	OJ000118_20.0222.C6.o1.gs	Method	GENSCAN
Start	200	End	271
GI	none	Score	.84
Exons	200..271		

Seq. No.	6257	Seq. ID	OJ000118_20.0222.C7
Gene No.	13147	Strand	+
Start	1	End	591
Name	OJ000118_20.0222.C7.o1.np	Method	AAT/NAP
Start	1	End	516
GI	4512698	Score	493
Exons	1..516		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	6257	Seq. ID	OJ000118_20.0222.C7
Gene No.	13147	Strand	+

Start	1	End	591
Name	OJ000118_20.0222.C7.o1.gs	Method	GENSCAN
Start	46	End	591
GI	none	Score	.97
Exons	46..591		

Seq. No.	6257	Seq. ID	OJ000118_20.0222.C7
Gene No.	13148	Strand	+
Start	2096	End	2727
Name	OJ000118_20.0222.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	504
GI	none	Score	67
Exons	2..67, 49..504, 78..500		

Seq. No.	6257	Seq. ID	OJ000118_20.0222.C7
Gene No.	13148	Strand	+
Start	2096	End	2727
Name	OJ000118_20.0222.C7.o1.tm	Method	TBLASTX:Maize
Start	70	End	300
GI	none	Score	307
Exons	70..300, 78..299		

Seq. No.	6257	Seq. ID	OJ000118_20.0222.C7
Gene No.	13148	Strand	+
Start	2096	End	2727
Name	OJ000118_20.0222.C7.o1.tc	Method	TBLASTX:Cress
Start	318	End	516
GI	none	Score	182
Exons	318..509, 325..516		

Seq. No.	6257	Seq. ID	OJ000118_20.0222.C7
Gene No.	13148	Strand	+
Start	2096	End	2727
Name	OJ000118_20.0222.C7.o2.gs	Method	GENSCAN
Start	2096	End	2639
GI	none	Score	.77
Exons	2096..2186, 2242..2389, 2538..2639		

Seq. No.	6257	Seq. ID	OJ000118_20.0222.C7
Gene No.	13148	Strand	+
Start	2096	End	2727
Name	OJ000118_20.0222.C7.o2.np	Method	AAT/NAP
Start	2244	End	2727
GI	4322321	Score	225
Exons	2244..2447, 2550..2727		
GI Descrip.	(AF080542) amino acid transporter [Nepenthes alata]		

Seq. No.	6257	Seq. ID	OJ000118_20.0222.C7
Gene No.	13148	Strand	+
Start	2096	End	2727
Name	OJ000118_20.0222.C7.o2.tc	Method	TBLASTX:Cress
Start	2246	End	2613
GI	none	Score	147
Exons	2246..2359, 2247..2369, 2413..2442, 2563..2613		

Seq. No.	6257	Seq. ID	OJ000118_20.0222.C7
Gene No.	13148	Strand	+

Start	2096	End	2727
Name	OJ000118_20.0222.C7.o2.tm	Method	TBLASTX:Maize
Start	2246	End	2638
GI	none	Score	200
Exons	2246..2371, 2247..2372, 2357..2401, 2375..2398, 2379..2444, 2404..2445, 2405..2446, 2557..2613, 2557..2637, 2594..2638		

Seq. No.	6258	Seq. ID	OJ000118_20.0222.C8
Gene No.	13149	Strand	+
Start	1520	End	3193
Name	OJ000118_20.0222.C8.o2.np	Method	AAT/NAP
Start	1520	End	3193
GI	6069659	Score	95
Exons	1520..1542, 3070..3193		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	6258	Seq. ID	OJ000118_20.0222.C8
Gene No.	13149	Strand	+
Start	1520	End	3193
Name	OJ000118_20.0222.C8.o1.np	Method	AAT/NAP
Start	2363	End	2848
GI	6907088	Score	314
Exons	2363..2502, 2678..2848		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6258	Seq. ID	OJ000118_20.0222.C8
Gene No.	13150	Strand	-
Start	13	End	79
Name	OJ000118_20.0222.C8.o1.gs	Method	GENSCAN
Start	13	End	79
GI	none	Score	.79
Exons	13..79		

Seq. No.	6258	Seq. ID	OJ000118_20.0222.C8
Gene No.	13151	Strand	-
Start	1296	End	2443
Name	OJ000118_20.0222.C8.o2.gs	Method	GENSCAN
Start	1296	End	2443
GI	none	Score	.52
Exons	1296..1490, 1861..1913, 2377..2443		

Seq. No.	6259	Seq. ID	OJ000118_20.0222.C9
Gene No.	13152	Strand	+
Start	1	End	898
Name	OJ000118_20.0222.C9.o1.np	Method	AAT/NAP
Start	1	End	898
GI	6907086	Score	668
Exons	1..469, 533..898		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6259	Seq. ID	OJ000118_20.0222.C9
Gene No.	13152	Strand	+
Start	1	End	898
Name	OJ000118_20.0222.C9.o1.gs	Method	GENSCAN
Start	44	End	555
GI	none	Score	.57
Exons	44..262, 305..555		

Seq. No.	6260	Seq. ID	OJ000118_20.0222.C10
Gene No.	13153	Strand	+
Start	1960	End	3412
Name	OJ000118_20.0222.C10.o1.np	Method	AAT/NAP
Start	1960	End	3412
GI	122007	Score	122
Exons	1960..2099, 3379..3412		
GI Descrip.	HISTONE H2A gi|100161|pir||S11498 histone H2A - parsley gi|20448|emb|CAA37828| (X53831) H2A histone protein (AA 1 - 149) [Petroselinum crispum]		

Seq. No.	6260	Seq. ID	OJ000118_20.0222.C10
Gene No.	13154	Strand	+
Start	6730	End	6983
Name	OJ000118_20.0222.C10.o1.gp	Method	AAT/GAP
Start	6730	End	6983
GI	2427946	Score	484
Exons	6730..6983		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13155	Strand	+
Start	1	End	1639
Name	OJ000118_20.0222.C11.o1.np	Method	AAT/NAP
Start	1	End	1639
GI	4512698	Score	2005
Exons	1..1639		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13155	Strand	+
Start	1	End	1639
Name	OJ000118_20.0222.C11.o1.gs	Method	GENSCAN
Start	45	End	1639
GI	none	Score	.6
Exons	45..1639		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13155	Strand	+
Start	1	End	1639
Name	OJ000118_20.0222.C11.o1.gp	Method	AAT/GAP
Start	1178	End	1483
GI	428459	Score	612
Exons	1178..1483		
GI Descrip.	4512698/gb|AAD21751.1| 3.0e-35 (AC006569) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13156	Strand	+
Start	1628	End	2055
Name	OJ000118_20.0222.C11.o2.gp	Method	AAT/GAP
Start	1628	End	2055
GI	3767836	Score	765
Exons	1628..2055		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13157	Strand	+

Start	4927	End	6897
Name	OJ000118_20.0222.C11.o2.np	Method	AAT/NAP
Start	4927	End	6897
GI	6739283	Score	114
Exons	4927..5172, 6845..6897		
GI Descrip.	(AF093547) abscisic acid responsive elements-binding factor [Arabidopsis thaliana]		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o3.ts	Method	TBLASTX:Soybean
Start	206	End	499
GI	none	Score	360
Exons	206..499, 212..499		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o1.tw	Method	TBLASTX:Wheat
Start	254	End	693
GI	none	Score	123
Exons	254..355, 263..394, 394..576, 407..604, 416..607, 614..649, 643..693, 644..691		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	326	End	891
GI	none	Score	837
Exons	326..889, 328..891, 329..889		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o3.tc	Method	TBLASTX:Cress
Start	503	End	715
GI	none	Score	308
Exons	503..715, 503..706, 553..714		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o2.ts	Method	TBLASTX:Soybean
Start	539	End	865
GI	none	Score	527
Exons	539..865, 559..855		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o1.tc	Method	TBLASTX:Cress
Start	716	End	1087
GI	none	Score	511
Exons	716..1054, 719..1054, 1046..1087		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o1.ts	Method	TBLASTX:Soybean
Start	866	End	1426
GI	none	Score	836
Exons	866..1426, 903..1271, 982..1419		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o2.tm	Method	TBLASTX:Maize
Start	962	End	1225
GI	none	Score	458
Exons	962..1225, 985..1224		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o2.tc	Method	TBLASTX:Cress
Start	1240	End	1627
GI	none	Score	225
Exons	1240..1425, 1247..1480, 1463..1558, 1463..1546, 1480..1554, 1564..1626, 1565..1627		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o3.tm	Method	TBLASTX:Maize
Start	1344	End	1504
GI	none	Score	225
Exons	1344..1502, 1346..1504		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o4.ts	Method	TBLASTX:Soybean
Start	1475	End	1648
GI	none	Score	218
Exons	1475..1633, 1478..1648, 1480..1647		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o4.tm	Method	TBLASTX:Maize
Start	1515	End	1778
GI	none	Score	101
Exons	1515..1634, 1516..1629, 1517..1639, 1737..1778		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o2.gs	Method	GENSCAN
Start	3410	End	6848
GI	none	Score	.53
Exons	3410..3541, 4512..4643, 4657..4695, 5268..5482, 6773..6848		

Seq. No.	6261	Seq. ID	OJ000118_20.0222.C11
Gene No.	13158	Strand	-
Start	3410	End	6848
Name	OJ000118_20.0222.C11.o5.tm	Method	TBLASTX:Maize
Start	5018	End	5224
GI	none	Score	188
Exons	5018..5224, 5025..5138, 5033..5170		

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13159	Strand	+
Start	70	End	327
Name	OJ000118_20.0222.C12.o1.gs	Method	GENSCAN
Start	70	End	327
GI	none	Score	.97
Exons	70..327		

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13160	Strand	-
Start	869	End	1904
Name	OJ000118_20.0222.C12.o2.gs	Method	GENSCAN
Start	869	End	1816
GI	none	Score	.98
Exons	869..1816		

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13160	Strand	-
Start	869	End	1904
Name	OJ000118_20.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	881	End	1898
GI	none	Score	109
Exons	881..1066, 1127..1183, 1190..1333, 1194..1319, 1340..1510, 1350..1454, 1514..1672, 1778..1897, 1779..1898		

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13160	Strand	-
Start	869	End	1904
Name	OJ000118_20.0222.C12.o1.np	Method	AAT/NAP
Start	890	End	1904
GI	3063445	Score	987
Exons	890..1904		
GI Descrip.	(AC003981) F22O13.7 [Arabidopsis thaliana]		

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13160	Strand	-
Start	869	End	1904
Name	OJ000118_20.0222.C12.o1.tc	Method	TBLASTX:Cress
Start	971	End	1672
GI	none	Score	142
Exons	971..1072, 1170..1328, 1172..1339, 1343..1672, 1431..1574		

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13160	Strand	-
Start	869	End	1904
Name	OJ000118_20.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	1208	End	1898
GI	none	Score	67
Exons	1208..1273, 1208..1333, 1212..1319, 1340..1510, 1434..1505,		

1505..1672, 1533..1649, 1763..1897, 1779..1898

Seq. No.	6262	Seq. ID	OJ000118_20.0222.C12
Gene No.	13160	Strand	-
Start	869	End	1904
Name	OJ000118_20.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	1277	End	1675
GI	none	Score	60
Exons	1277..1510, 1341..1442, 1511..1675		

Seq. No.	6263	Seq. ID	OJ000118_20.0222.C13
Gene No.	13161	Strand	-
Start	1	End	1625
Name	OJ000118_20.0222.C13.o1.np	Method	AAT/NAP
Start	1	End	1625
GI	3063445	Score	1405
Exons	1..1625		
GI Descrip.	(AC003981) F22O13.7 [Arabidopsis thaliana]		

Seq. No.	6263	Seq. ID	OJ000118_20.0222.C13
Gene No.	13161	Strand	-
Start	1	End	1625
Name	OJ000118_20.0222.C13.o1.tc	Method	TBLASTX:Cress
Start	3	End	1454
GI	none	Score	111
Exons	3..308, 3..308, 6..314, 6..116, 6..308, 6..308, 69..476, 141..548, 210..386, 213..620, 283..657, 355..669, 360..977, 366..650, 402..620, 417..668, 423..836, 495..872, 564..1244, 639..1010, 717..1124, 717..1379, 717..917, 717..1316, 789..1196, 819..1010, 861..1385, 903..1124, 933..1340, 957..1214, 1047..1289, 1071..1385, 1072..1224, 1077..1418, 1077..1376, 1146..1319, 1149..1418, 1149..1403, 1239..1379, 1242..1454		

Seq. No.	6263	Seq. ID	OJ000118_20.0222.C13
Gene No.	13161	Strand	-
Start	1	End	1625
Name	OJ000118_20.0222.C13.o1.tm	Method	TBLASTX:Maize
Start	3	End	1403
GI	none	Score	60
Exons	3..281, 3..308, 3..110, 54..308, 57..539, 59..157, 138..383, 195..467, 247..756, 282..572, 355..600, 355..801, 360..755, 366..668, 366..623, 414..668, 427..837, 429..899, 501..971, 564..836, 627..911, 646..807, 717..1187, 717..971, 771..1010, 777..956, 833..937, 843..962, 849..962, 861..1334, 895..1224, 915..1187, 924..1403, 925..1167, 1006..1161, 1059..1361, 1074..1292, 1078..1224, 1092..1220, 1092..1187, 1149..1403, 1288..1383		

Seq. No.	6263	Seq. ID	OJ000118_20.0222.C13
Gene No.	13161	Strand	-
Start	1	End	1625
Name	OJ000118_20.0222.C13.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1412
GI	none	Score	75
Exons	3..116, 6..416, 6..308, 6..308, 6..308, 6..302, 6..239, 36..308, 69..314, 282..668, 360..668, 360..548, 360..485, 366..959, 399..1094, 423..821, 450..1172, 459..578, 573..986, 639..1010,		

646..801, 711..1316, 717..1133, 747..866, 759..1403, 786..1196,
861..1268, 933..1340, 957..1082, 978..1412, 1036..1176,
1074..1403, 1074..1403, 1113..1223, 1185..1298

Seq. No.	6263	Seq. ID	OJ000118_20.0222.C13
Gene No.	13161	Strand	-
Start	1	End	1625
Name	OJ000118_20.0222.C13.o1.gs	Method	GENSCAN
Start	16	End	1619
GI	none	Score	.88
Exons	16..1619		

Seq. No.	6263	Seq. ID	OJ000118_20.0222.C13
Gene No.	13161	Strand	-
Start	1	End	1625
Name	OJ000118_20.0222.C13.o1.gp	Method	AAT/GAP
Start	1346	End	1563
GI	568953	Score	424
Exons	1346..1563		

Seq. No.	6264	Seq. ID	OJ000118_20.0222.C14
Gene No.	13162	Strand	+
Start	924	End	3364
Name	OJ000118_20.0222.C14.o1.gs	Method	GENSCAN
Start	924	End	3364
GI	none	Score	.64
Exons	924..979, 1062..1109, 2678..2834, 3346..3364		

Seq. No.	6264	Seq. ID	OJ000118_20.0222.C14
Gene No.	13162	Strand	+
Start	924	End	3364
Name	OJ000118_20.0222.C14.o1.gp	Method	AAT/GAP
Start	1434	End	1502
GI	2312838	Score	74
Exons	1434..1502		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13163	Strand	+
Start	70	End	1670
Name	OJ000118_20.0222.C15.o1.gs	Method	GENSCAN
Start	70	End	1670
GI	none	Score	.49
Exons	70..141, 194..363, 388..448, 1566..1670		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13164	Strand	+
Start	2431	End	3190
Name	OJ000118_20.0222.C15.o2.gs	Method	GENSCAN
Start	2431	End	3190
GI	none	Score	.6
Exons	2431..2517, 2618..3190		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13164	Strand	+
Start	2431	End	3190

Name	OJ000118_20.0222.C15.o1.np	Method	AAT/NAP
Start	2827	End	3152
GI	2959732	Score	269
Exons	2827..3152		
GI Descrip.	(Y13649) homologous to GATA-binding transcription factors [Arabidopsis thaliana] gi|4895246|gb|AAD32831.1|AC007659_13 (AC007659) putative GATA-type zinc finger transcription factor [Arabidopsis thaliana]		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13165	Strand	+
Start	3874	End	4949
Name	OJ000118_20.0222.C15.o1.tc	Method	TBLASTX:Cress
Start	2899	End	3130
GI	none	Score	298
Exons	2899..3084, 2900..3130		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13165	Strand	+
Start	3874	End	4949
Name	OJ000118_20.0222.C15.o1.tm	Method	TBLASTX:Maize
Start	2899	End	3100
GI	none	Score	282
Exons	2899..3093, 2900..3100		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13165	Strand	+
Start	3874	End	4949
Name	OJ000118_20.0222.C15.o1.ts	Method	TBLASTX:Soybean
Start	2900	End	3100
GI	none	Score	287
Exons	2900..3100, 2902..3084		

Seq. No.	6265	Seq. ID	OJ000118_20.0222.C15
Gene No.	13165	Strand	+
Start	3874	End	4949
Name	OJ000118_20.0222.C15.o3.gs	Method	GENSCAN
Start	3874	End	4949
GI	none	Score	.54
Exons	3874..3920, 4143..4323, 4839..4949		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13166	Strand	+
Start	1	End	2118
Name	OJ000118_20.0222.C16.o1.np	Method	AAT/NAP
Start	1	End	2109
GI	6714316	Score	502
Exons	1..67, 728..808, 893..1008, 1604..2109		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13166	Strand	+
Start	1	End	2118
Name	OJ000118_20.0222.C16.o1.gs	Method	GENSCAN
Start	893	End	2118
GI	none	Score	.66
Exons	893..1008, 1604..2118		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13167	Strand	+
Start	22891	End	24028
Name	OJ000118_20.0222.C16.o4.gs	Method	GENSCAN
Start	22891	End	24028
GI	none	Score	.98
Exons	22891..23272, 23360..23521, 23997..24028		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13168	Strand	-
Start	2559	End	5348
Name	OJ000118_20.0222.C16.o2.np	Method	AAT/NAP
Start	2556	End	5348
GI	6862925	Score	1244
Exons	2556..4700, 5279..5348		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13168	Strand	-
Start	2559	End	5348
Name	OJ000118_20.0222.C16.o2.gs	Method	GENSCAN
Start	2559	End	4730
GI	none	Score	.99
Exons	2559..4730		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o1.tw	Method	TBLASTX:Wheat
Start	728	End	1746
GI	none	Score	116
Exons	728..808, 732..809, 897..1010, 905..1009, 1602..1745, 1603..1746		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o1.ts	Method	TBLASTX:Soybean
Start	732	End	2109
GI	none	Score	109
Exons	732..809, 906..1031, 1603..1977, 1633..1986, 1992..2060, 1993..2109		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o4.tc	Method	TBLASTX:Cress
Start	732	End	1683
GI	none	Score	120
Exons	732..809, 749..808, 893..1009, 894..1010, 1600..1683		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o2.tm	Method	TBLASTX:Maize
Start	1605	End	1884
GI	none	Score	222

Exons	1605..1883, 1607..1861, 1632..1880, 1633..1884		
Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o3.tc	Method	TBLASTX:Cress
Start	1683	End	2076
GI	none	Score	65
Exons	1683..1799, 1683..1787, 1684..1950, 1684..1923, 1893..1976, 1957..1977, 2005..2076		
Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o4.tm	Method	TBLASTX:Maize
Start	3693	End	3968
GI	none	Score	128
Exons	3693..3944, 3696..3968, 3697..3957		
Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o2.tc	Method	TBLASTX:Cress
Start	4356	End	4583
GI	none	Score	191
Exons	4356..4583, 4357..4569, 4380..4571		
Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o3.np	Method	AAT/NAP
Start	5710	End	17777
GI	4512703	Score	1334
Exons	5710..5739, 6617..6688, 6772..6879, 7067..7201, 7936..7986, 8747..8821, 9990..10081, 10171..10348, 10440..10533, 10718..11221, 11357..11559, 11598..11698, 11965..12024, 12800..12891, 13086..13260, 13899..13997, 14028..14124, 17690..17777		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		
Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o1.gp	Method	AAT/GAP
Start	6015	End	7079
GI	LIB3434-032-P1-K1-B3	Score	991
Exons	6015..6175, 6623..6688, 6772..7079		
GI Descrip.	'4512698/gb|AAD21751.1| 3.0e-35 (AC006569) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o4.ts	Method	TBLASTX:Soybean
Start	6110	End	8979
GI	none	Score	65
Exons	6110..6181, 6612..6689, 6614..6691, 6766..6885, 6770..6898,		

7067..7204, 7933..8004, 8744..8821, 8745..8822, 8895..8966,
8929..8979

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o5.tc	Method	TBLASTX:Cress
Start	6612	End	7204
GI	none	Score	72
Exons	6612..6689, 6614..6691, 6766..6885, 6770..6898, 7064..7204		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o3.tm	Method	TBLASTX:Maize
Start	8783	End	10307
GI	none	Score	74
Exons	8783..8821, 8891..8977, 8892..8978, 8894..8989, 8929..8979, 9987..10085, 9988..10077, 9989..10084, 10148..10306, 10151..10297, 10162..10299, 10164..10307		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o6.tm	Method	TBLASTX:Maize
Start	10308	End	10887
GI	none	Score	69
Exons	10308..10346, 10310..10345, 10439..10492, 10440..10508, 10688..10858, 10718..10885, 10723..10887		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o1.tm	Method	TBLASTX:Maize
Start	11134	End	13125
GI	none	Score	99
Exons	11134..11229, 11137..11226, 11347..11559, 11349..11585, 11357..11557, 11358..11558, 11359..11559, 11648..11707, 11652..11702, 11654..11707, 11956..12027, 11963..12043, 11965..12027, 12798..12884, 12800..12886, 12801..12884, 13054..13122, 13054..13125		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o4.np	Method	AAT/NAP
Start	16137	End	19123
GI	2980806	Score	560
Exons	16137..16174, 17998..19123		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o5.tm	Method	TBLASTX:Maize
Start	17867	End	18250
GI	none	Score	59

Exons	17867..18139, 17895..18014, 18063..18125, 18170..18250		
Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o2.ts	Method	TBLASTX:Soybean
Start	17886	End	18311
GI	none	Score	73
Exons	17886..18119, 17894..18142, 18170..18310, 18174..18311		
Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o1.tc	Method	TBLASTX:Cress
Start	17903	End	18709
GI	none	Score	65
Exons	17903..18142, 17907..18119, 18170..18340, 18180..18341, 18569..18709		
Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13169	Strand	-
Start	5710	End	19123
Name	OJ000118_20.0222.C16.o3.ts	Method	TBLASTX:Soybean
Start	18503	End	18793
GI	none	Score	56
Exons	18503..18610, 18504..18611, 18629..18793, 18630..18791		
Seq. No.	6266	Seq. ID	OJ000118_20.0222.C16
Gene No.	13170	Strand	
Start	23137	End	23540
Name	OJ000118_20.0222.C16.o2.tw	Method	TBLASTX:Wheat
Start	23137	End	23540
GI	none	Score	64
Exons	23137..23220, 23140..23247, 23227..23274, 23349..23540, 23356..23517		
Seq. No.	6267	Seq. ID	OJ000118_20.0222.C17
Gene No.	13171	Strand	+
Start	1395	End	2071
Name	OJ000118_20.0222.C17.o1.tm	Method	TBLASTX:Maize
Start	1295	End	1559
GI	none	Score	202
Exons	1295..1546, 1308..1559		
Seq. No.	6267	Seq. ID	OJ000118_20.0222.C17
Gene No.	13171	Strand	+
Start	1395	End	2071
Name	OJ000118_20.0222.C17.o1.tw	Method	TBLASTX:Wheat
Start	1305	End	1616
GI	none	Score	121
Exons	1305..1463, 1461..1616		
Seq. No.	6267	Seq. ID	OJ000118_20.0222.C17
Gene No.	13171	Strand	+
Start	1395	End	2071
Name	OJ000118_20.0222.C17.o1.gs	Method	GENSCAN
Start	1395	End	2071

GI	none	Score	.68
Exons	1395..2071		

Seq. No.	6268	Seq. ID	OJ000118_20.0222.C18
Gene No.	13172	Strand	-
Start	277	End	919
Name	OJ000118_20.0222.C18.o1.gs	Method	GENSCAN
Start	277	End	919
GI	none	Score	.95
Exons	277..349, 546..919		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13173	Strand	+
Start	5115	End	9024
Name	OJ000118_20.0222.C19.o2.gs	Method	GENSCAN
Start	5115	End	8795
GI	none	Score	.73
Exons	5115..5190, 5297..5547, 5740..5952, 6226..6323, 6440..6527, 6622..6879, 7920..7952, 8081..8158, 8283..8451, 8535..8617, 8704..8795		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13173	Strand	+
Start	5115	End	9024
Name	OJ000118_20.0222.C19.o2.np	Method	AAT/NAP
Start	5443	End	9024
GI	4105798	Score	597
Exons	5443..5516, 6440..6527, 6622..6681, 7920..7952, 8081..8158, 8283..8326, 8411..8451, 8535..8617, 8704..8795, 8879..9024		
GI Descrip.	(AF049930) PGP237-11 [Petunia x hybrida]		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13173	Strand	+
Start	5115	End	9024
Name	OJ000118_20.0222.C19.o2.gp	Method	AAT/GAP
Start	8699	End	8930
GI	LIB3432-009-P1-K1-C1	Score	221
Exons	8699..8795, 8879..8930		
GI Descrip.	'4105798 4.0e-39 (AF049930) PGP237-11 [Petunia x hybrida]'		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13174	Strand	-
Start	7	End	3822
Name	OJ000118_20.0222.C19.o1.gs	Method	GENSCAN
Start	7	End	3822
GI	none	Score	.5
Exons	7..236, 1451..1529, 1600..1691, 3130..3306, 3816..3822		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13174	Strand	-
Start	7	End	3822
Name	OJ000118_20.0222.C19.o1.tm	Method	TBLASTX:Maize
Start	976	End	3214
GI	none	Score	138
Exons	976..1164, 985..1167, 989..1168, 992..1174, 996..1175, 1261..1359, 1262..1360, 1264..1374, 1449..1511, 1450..1512, 1451..1513, 1597..1692, 1600..1680, 1605..1691, 3131..3214		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13174	Strand	-
Start	7	End	3822
Name	OJ000118_20.0222.C19.o1.tw	Method	TBLASTX:Wheat
Start	982	End	1668
GI	none	Score	177
Exons	982..1167, 992..1168, 993..1175, 1260..1340, 1261..1359, 1262..1360, 1262..1360, 1449..1520, 1450..1530, 1451..1531, 1452..1532, 1597..1668, 1600..1668		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13174	Strand	-
Start	7	End	3822
Name	OJ000118_20.0222.C19.o1.np	Method	AAT/NAP
Start	1057	End	3306
GI	6681330	Score	353
Exons	1057..1167, 1261..1358, 1451..1529, 1600..1691, 3130..3306		
GI Descrip.	(AC015985) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13174	Strand	-
Start	7	End	3822
Name	OJ000118_20.0222.C19.o1.gp	Method	AAT/GAP
Start	1132	End	3409
GI	5758_1.R1084	Score	975
Exons	1132..1167, 1261..1358, 1451..1529, 1600..1691, 3130..3409		
GI Descrip.	'4972778/gb|AAD34784.1| 3.0e-10 (AF132196) unknown [Drosophila melanogaster]'		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13175	Strand	
Start	6243	End	8930
Name	OJ000118_20.0222.C19.o2.tm	Method	TBLASTX:Maize
Start	6243	End	8930
GI	none	Score	46
Exons	6243..6329, 6244..6336, 6441..6533, 6446..6550, 6619..6684, 6624..6683, 7883..7954, 7917..7955, 7917..7955, 8080..8160, 8081..8164, 8249..8326, 8283..8327, 8408..8452, 8409..8453, 8533..8616, 8534..8617, 8540..8617, 8703..8783, 8704..8790, 8880..8930, 8882..8929		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13175	Strand	
Start	6243	End	8930
Name	OJ000118_20.0222.C19.o1.tc	Method	TBLASTX:Cress
Start	6437	End	8745
GI	none	Score	171
Exons	6437..6532, 6438..6533, 6619..6684, 7914..7955, 8080..8157, 8081..8164, 8283..8324, 8412..8450, 8537..8617, 8704..8745		

Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13175	Strand	
Start	6243	End	8930
Name	OJ000118_20.0222.C19.o1.ts	Method	TBLASTX:Soybean
Start	6440	End	8930
GI	none	Score	163

Exons	6440..6526, 6441..6527, 6619..6684, 7917..7955, 8080..8157, 8081..8164, 8283..8327, 8408..8452, 8409..8453, 8534..8617, 8534..8617, 8703..8783, 8704..8796, 8877..8930		
Seq. No.	6269	Seq. ID	OJ000118_20.0222.C19
Gene No.	13175	Strand	
Start	6243	End	8930
Name	OJ000118_20.0222.C19.o2.tw	Method	TBLASTX:Wheat
Start	8301	End	8918
GI	none	Score	46
Exons	8301..8327, 8408..8452, 8409..8453, 8534..8617, 8704..8796, 8877..8918		
Seq. No.	6270	Seq. ID	OJ000118_20.0222.C20
Gene No.	13176	Strand	+
Start	115	End	246
Name	OJ000118_20.0222.C20.o1.gs	Method	GENSCAN
Start	115	End	246
GI	none	Score	.54
Exons	115..246		
Seq. No.	6270	Seq. ID	OJ000118_20.0222.C20
Gene No.	13177	Strand	-
Start	1	End	262
Name	OJ000118_20.0222.C20.o1.np	Method	AAT/NAP
Start	1	End	262
GI	3236261	Score	136
Exons	1..262		
GI Descrip.	(AC004684) putative RING zinc finger protein [Arabidopsis thaliana]		
Seq. No.	6270	Seq. ID	OJ000118_20.0222.C20
Gene No.	13177	Strand	-
Start	1	End	262
Name	OJ000118_20.0222.C20.o1.tc	Method	TBLASTX:Cress
Start	38	End	201
GI	none	Score	68
Exons	38..199, 43..201, 43..201		
Seq. No.	6271	Seq. ID	OJ000118_12.0215.C1
Gene No.	13178	Strand	+
Start	72	End	160
Name	OJ000118_12.0215.C1.o1.gs	Method	GENSCAN
Start	72	End	160
GI	none	Score	.93
Exons	72..160		
Seq. No.	6272	Seq. ID	OJ000118_12.0215.C3
Gene No.	13179	Strand	-
Start	1	End	1920
Name	OJ000118_12.0215.C3.o1.np	Method	AAT/NAP
Start	1	End	961
GI	479357	Score	546
Exons	1..670, 758..961		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	6272	Seq. ID	OJ000118_12.0215.C3
Gene No.	13179	Strand	-
Start	1	End	1920
Name	OJ000118_12.0215.C3.o2.tm	Method	TBLASTX:Maize
Start	2	End	148
GI	none	Score	145
Exons	2..148, 3..137, 8..145		

Seq. No.	6272	Seq. ID	OJ000118_12.0215.C3
Gene No.	13179	Strand	-
Start	1	End	1920
Name	OJ000118_12.0215.C3.o1.gs	Method	GENSCAN
Start	35	End	1920
GI	none	Score	.55
Exons	35..237, 475..670, 761..907, 965..1170, 1457..1571, 1806..1920		

Seq. No.	6272	Seq. ID	OJ000118_12.0215.C3
Gene No.	13179	Strand	-
Start	1	End	1920
Name	OJ000118_12.0215.C3.o1.tm	Method	TBLASTX:Maize
Start	150	End	437
GI	none	Score	250
Exons	150..437, 152..436		

Seq. No.	6273	Seq. ID	OJ000118_12.0215.C6
Gene No.	13180	Strand	+
Start	1	End	3022
Name	OJ000118_12.0215.C6.o1.np	Method	AAT/NAP
Start	1	End	3022
GI	5852180	Score	394
Exons	1..95, 815..868, 1874..1993, 2045..2453, 2987..3022		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6273	Seq. ID	OJ000118_12.0215.C6
Gene No.	13180	Strand	+
Start	1	End	3022
Name	OJ000118_12.0215.C6.o1.gs	Method	GENSCAN
Start	815	End	1055
GI	none	Score	.51
Exons	815..868, 965..1055		

Seq. No.	6273	Seq. ID	OJ000118_12.0215.C6
Gene No.	13181	Strand	-
Start	1	End	3022
Name	OJ000118_12.0215.C6.o2.np	Method	AAT/NAP
Start	1	End	3022
GI	1491621	Score	168
Exons	1..69, 1896..3022		
GI Descrip.	(Z78205) UL36 [Bovine herpesvirus 1] gi|2653311|emb|CAA06097| (AJ004801) very large virion protein (tegument) [Bovine herpesvirus type 1.1]		

Seq. No.	6273	Seq. ID	OJ000118_12.0215.C6
Gene No.	13181	Strand	-
Start	1	End	3022
Name	OJ000118_12.0215.C6.o2.gs	Method	GENSCAN
Start	1966	End	2438

GI	none	Score	.56
Exons	1966..2082, 2199..2438		

Seq. No.	6274	Seq. ID	OJ000118_12.0215.C7
Gene No.	13182	Strand	-
Start	86	End	1324
Name	OJ000118_12.0215.C7.o1.gs	Method	GENSCAN
Start	86	End	1321
GI	none	Score	.73
Exons	86..598, 626..1321		

Seq. No.	6274	Seq. ID	OJ000118_12.0215.C7
Gene No.	13182	Strand	-
Start	86	End	1324
Name	OJ000118_12.0215.C7.o1.np	Method	AAT/NAP
Start	89	End	1324
GI	4680179	Score	1669
Exons	89..1030, 1064..1324		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6274	Seq. ID	OJ000118_12.0215.C7
Gene No.	13182	Strand	-
Start	86	End	1324
Name	OJ000118_12.0215.C7.o2.tw	Method	TBLASTX:Wheat
Start	134	End	467
GI	none	Score	137
Exons	134..466, 198..467		

Seq. No.	6274	Seq. ID	OJ000118_12.0215.C7
Gene No.	13182	Strand	-
Start	86	End	1324
Name	OJ000118_12.0215.C7.o1.tm	Method	TBLASTX:Maize
Start	335	End	913
GI	none	Score	177
Exons	335..754, 339..749, 752..913, 759..905		

Seq. No.	6274	Seq. ID	OJ000118_12.0215.C7
Gene No.	13182	Strand	-
Start	86	End	1324
Name	OJ000118_12.0215.C7.o1.tw	Method	TBLASTX:Wheat
Start	467	End	1126
GI	none	Score	81
Exons	467..1093, 470..721, 588..1037, 1064..1126		

Seq. No.	6274	Seq. ID	OJ000118_12.0215.C7
Gene No.	13182	Strand	-
Start	86	End	1324
Name	OJ000118_12.0215.C7.o3.tm	Method	TBLASTX:Maize
Start	914	End	1064
GI	none	Score	75
Exons	914..1063, 942..1064		

Seq. No.	6274	Seq. ID	OJ000118_12.0215.C7
Gene No.	13182	Strand	-
Start	86	End	1324
Name	OJ000118_12.0215.C7.o2.tm	Method	TBLASTX:Maize
Start	1067	End	1321

GI	none	Score	53
Exons	1067..1321, 1075..1212, 1077..1319		

Seq. No.	6274	Seq. ID	OJ000118_12.0215.C7
Gene No.	13182	Strand	-
Start	86	End	1324
Name	OJ000118_12.0215.C7.o1.ts	Method	TBLASTX:Soybean
Start	1084	End	1321
GI	none	Score	152
Exons	1084..1278, 1085..1321, 1086..1313		

Seq. No.	6274	Seq. ID	OJ000118_12.0215.C7
Gene No.	13182	Strand	-
Start	86	End	1324
Name	OJ000118_12.0215.C7.o3.tw	Method	TBLASTX:Wheat
Start	1133	End	1324
GI	none	Score	177
Exons	1133..1321, 1134..1322, 1139..1324		

Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o1.np	Method	AAT/NAP
Start	1	End	1542
GI	4680179	Score	2159
Exons	1..1542		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o4.tw	Method	TBLASTX:Wheat
Start	1	End	308
GI	none	Score	78
Exons	1..108, 5..109, 97..300, 105..308		

Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o1.tw	Method	TBLASTX:Wheat
Start	309	End	812
GI	none	Score	350
Exons	309..812, 343..765		

Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o1.tm	Method	TBLASTX:Maize
Start	326	End	741
GI	none	Score	165
Exons	326..574, 375..740, 387..740, 391..741		

Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o1.gp	Method	AAT/GAP
Start	415	End	1039

GI	3548944	Score	1089
Exons	415..1039		
GI Descrip.	4512237/dbj|BAA75235.1| 2.0e-89 (AB014746) polyprotein [Hordeum vulgare]		

Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o2.ts	Method	TBLASTX:Soybean
Start	561	End	803
GI	none	Score	81
Exons	561..803, 562..789		

Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o2.tm	Method	TBLASTX:Maize
Start	777	End	1277
GI	none	Score	70
Exons	777..1091, 786..929, 898..951, 1098..1277, 1153..1269		

Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o3.tw	Method	TBLASTX:Wheat
Start	813	End	1062
GI	none	Score	215
Exons	813..1061, 829..1062		

Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o1.ts	Method	TBLASTX:Soybean
Start	818	End	1223
GI	none	Score	57
Exons	818..961, 828..1187, 829..1104, 1153..1185, 1191..1223		

Seq. No.	6275	Seq. ID	OJ000118_12.0215.C9
Gene No.	13183	Strand	-
Start	1	End	1542
Name	OJ000118_12.0215.C9.o2.tw	Method	TBLASTX:Wheat
Start	1065	End	1427
GI	none	Score	116
Exons	1065..1259, 1067..1255, 1075..1284, 1084..1278, 1089..1286, 1290..1373, 1294..1374, 1356..1427		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13184	Strand	+
Start	1221	End	9291
Name	OJ000118_12.0215.C10.o2.np	Method	AAT/NAP
Start	1221	End	2416
GI	4680185	Score	209
Exons	1221..1333, 1769..1860, 2178..2416		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13184	Strand	+

Start	1221	End	9291
Name	OJ000118_12.0215.C10.o2.gs	Method	GENSCAN
Start	1682	End	9291
GI	none	Score	.59
Exons	1682..1776, 1832..2027, 2058..2235, 2247..2407, 3447..3714, 4481..4501, 5147..5334, 6498..6978, 7251..7340, 7464..7648, 7905..8106, 8335..8454, 8980..9096, 9182..9291		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13185	Strand	+
Start	16577	End	17834
Name	OJ000118_12.0215.C10.o4.gs	Method	GENSCAN
Start	16577	End	17834
GI	none	Score	.75
Exons	16577..16581, 17306..17453, 17571..17834		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13186	Strand	+
Start	33803	End	36125
Name	OJ000118_12.0215.C10.o7.gs	Method	GENSCAN
Start	33803	End	36125
GI	none	Score	.63
Exons	33803..34171, 34271..34750, 35020..35047, 35087..35669, 35729..36125		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13186	Strand	+
Start	33803	End	36125
Name	OJ000118_12.0215.C10.o6.np	Method	AAT/NAP
Start	35185	End	35903
GI	2522230	Score	330
Exons	35185..35903		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13187	Strand	-
Start	1	End	1504
Name	OJ000118_12.0215.C10.o1.np	Method	AAT/NAP
Start	1	End	1504
GI	4680179	Score	1089
Exons	1..382, 416..1504		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13188	Strand	-
Start	8610	End	9203
Name	OJ000118_12.0215.C10.o1.gp	Method	AAT/GAP
Start	8610	End	9203
GI	3761363	Score	855
Exons	8610..9203		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13189	Strand	-
Start	9162	End	15272

Name	OJ000118_12.0215.C10.o3.np	Method	AAT/NAP
Start	9162	End	15272
GI	6063554	Score	204
Exons	9162..9335, 9971..10000, 11258..11473, 11763..11957, 15247..15272		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13189	Strand	-
Start	9162	End	15272
Name	OJ000118_12.0215.C10.o3.gs	Method	GENSCAN
Start	10822	End	14670
GI	none	Score	.7
Exons	10822..10974, 11071..11140, 11299..11621, 12666..12686, 13984..14117, 14182..14463, 14598..14670		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13190	Strand	-
Start	17301	End	17388
Name	OJ000118_12.0215.C10.o2.gp	Method	AAT/GAP
Start	17301	End	17388
GI	LIB3432-008-P1-K1-F11	Score	135
Exons	17301..17388		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o5.tw	Method	TBLASTX:Wheat
Start	98	End	475
GI	none	Score	86
Exons	98..352, 159..350, 440..475		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o3.tm	Method	TBLASTX:Maize
Start	713	End	1018
GI	none	Score	81
Exons	713..1018, 912..1004		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o3.tw	Method	TBLASTX:Wheat
Start	899	End	1261
GI	none	Score	147
Exons	899..1261, 900..1259		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o5.tm	Method	TBLASTX:Maize
Start	26598	End	27997

GI	none	Score	66
Exons	26598..26732, 26598..26708, 26607..26732, 26631..26714, 26631..26702, 26631..26714, 26733..26864, 26736..26870, 26760..26858, 26760..26888, 26787..26870, 26788..26862, 26889..27029, 26892..27035, 26907..27035, 26907..27035, 26916..27056, 26916..27056, 26922..27074, 26922..27071, 27086..27241, 27095..27241, 27104..27256, 27107..27247, 27128..27247, 27128..27271, 27128..27256, 27134..27274, 27275..27391, 27275..27382, 27299..27391, 27301..27399, 27311..27376, 27729..27839, 27729..27833, 27748..27837, 27756..27839, 27899..27955, 27905..27997		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o5.np	Method	AAT/NAP
Start	28073	End	32645
GI	4680203	Score	1967
Exons	28073..29010, 29286..29514, 29674..31329, 32542..32645		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o6.gs	Method	GENSCAN
Start	28099	End	31444
GI	none	Score	.48
Exons	28099..29017, 29232..29304, 29509..29557, 29734..29822, 29853..30182, 30318..30859, 31206..31329, 31432..31444		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o1.tw	Method	TBLASTX:Wheat
Start	28153	End	29402
GI	none	Score	75
Exons	28153..28272, 28273..28377, 28274..28378, 28396..28449, 28449..28493, 28450..28500, 28516..28647, 28516..28656, 28526..28657, 28654..28854, 28664..28801, 28859..29158, 28861..29160, 28870..29160, 29163..29402, 29166..29255, 29230..29358		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o2.ts	Method	TBLASTX:Soybean
Start	28216	End	28464
GI	none	Score	95
Exons	28216..28464, 28280..28462		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o2.tc	Method	TBLASTX:Cress
Start	28694	End	29116
GI	none	Score	44
Exons	28694..28801, 28696..28854, 28859..29116, 28861..29112		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o2.tm	Method	TBLASTX:Maize
Start	29047	End	29361
GI	none	Score	77
Exons	29047..29160, 29048..29161, 29163..29360, 29230..29361		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o4.tm	Method	TBLASTX:Maize
Start	29537	End	29761
GI	none	Score	81
Exons	29537..29761, 29552..29746		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o4.ts	Method	TBLASTX:Soybean
Start	29842	End	30076
GI	none	Score	72
Exons	29842..30075, 29851..30051, 29915..30076		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o1.tm	Method	TBLASTX:Maize
Start	29911	End	30360
GI	none	Score	51
Exons	29911..30105, 29914..30105, 29927..30130, 30112..30354, 30128..30355, 30142..30360		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o4.tw	Method	TBLASTX:Wheat
Start	29950	End	30294
GI	none	Score	74
Exons	29950..30105, 29951..30199, 30149..30244, 30151..30246, 30253..30294		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o1.tc	Method	TBLASTX:Cress
Start	30199	End	30546
GI	none	Score	105
Exons	30199..30546, 30200..30352, 30392..30541		

Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o3.ts	Method	TBLASTX:Soybean
Start	30280	End	30547
GI	none	Score	125

Exons	30280..30543, 30281..30547		
Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o2.tw	Method	TBLASTX:Wheat
Start	30295	End	30975
GI	none	Score	91
Exons	30295..30420, 30427..30546, 30440..30550, 30559..30975, 30686..30886		
Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13191	Strand	-
Start	28099	End	32645
Name	OJ000118_12.0215.C10.o1.ts	Method	TBLASTX:Soybean
Start	30566	End	30850
GI	none	Score	198
Exons	30566..30850, 30568..30849		
Seq. No.	6276	Seq. ID	OJ000118_12.0215.C10
Gene No.	13192	Strand	
Start	35224	End	35595
Name	OJ000118_12.0215.C10.o6.tw	Method	TBLASTX:Wheat
Start	35224	End	35595
GI	none	Score	112
Exons	35224..35367, 35410..35595		
Seq. No.	6277	Seq. ID	OJ000118_12.0215.C11
Gene No.	13193	Strand	+
Start	1	End	302
Name	OJ000118_12.0215.C11.o1.np	Method	AAT/NAP
Start	1	End	302
GI	6721515	Score	157
Exons	1..302		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		
Seq. No.	6277	Seq. ID	OJ000118_12.0215.C11
Gene No.	13193	Strand	+
Start	1	End	302
Name	OJ000118_12.0215.C11.o1.tm	Method	TBLASTX:Maize
Start	3	End	236
GI	none	Score	61
Exons	3..50, 42..236, 89..235		
Seq. No.	6278	Seq. ID	OJ000118_12.0215.C12
Gene No.	13194	Strand	+
Start	174	End	419
Name	OJ000118_12.0215.C12.o1.gs	Method	GENSCAN
Start	174	End	419
GI	none	Score	.99
Exons	174..419		
Seq. No.	6278	Seq. ID	OJ000118_12.0215.C12
Gene No.	13195	Strand	-
Start	1390	End	1516
Name	OJ000118_12.0215.C12.o1.gp	Method	AAT/GAP
Start	1345	End	1516

GI	LIB3433-017-Q6-K1-B5	Score	320
Exons	1345..1516		
GI Descrip.	'1330273/dbj|D85055|RICSINE11 p-SINE1-r31 gene'	2.0e-18	Rice retroposon

Seq. No.	6278	Seq. ID	OJ000118_12.0215.C12
Gene No.	13195	Strand	-
Start	1390	End	1516
Name	OJ000118_12.0215.C12.o2.gs	Method	GENSCAN
Start	1390	End	1515
GI	none	Score	.94
Exons	1390..1515		

Seq. No.	6278	Seq. ID	OJ000118_12.0215.C12
Gene No.	13196	Strand	-
Start	1427	End	1764
Name	OJ000118_12.0215.C12.o1.np	Method	AAT/NAP
Start	1427	End	1764
GI	1780757	Score	78
Exons	1427..1530, 1737..1764		
GI Descrip.	(Y10291) highly expressed in proliferating cells [Arabidopsis thaliana] gi|6587807|gb|AAF18498.1|AC010924_11 (AC010924) Identical to gb|Y10291 GAG1 protein from Arabidopsis thaliana.		

Seq. No.	6279	Seq. ID	OJ000118_12.0215.C13
Gene No.	13197	Strand	+
Start	1066	End	1644
Name	OJ000118_12.0215.C13.o2.gs	Method	GENSCAN
Start	1066	End	1644
GI	none	Score	.96
Exons	1066..1644		

Seq. No.	6279	Seq. ID	OJ000118_12.0215.C13
Gene No.	13198	Strand	-
Start	270	End	440
Name	OJ000118_12.0215.C13.o1.gs	Method	GENSCAN
Start	270	End	440
GI	none	Score	.53
Exons	270..440		

Seq. No.	6280	Seq. ID	OJ000118_12.0215.C14
Gene No.	13199	Strand	+
Start	400	End	1979
Name	OJ000118_12.0215.C14.o1.gs	Method	GENSCAN
Start	400	End	1979
GI	none	Score	.62
Exons	400..541, 1849..1979		

Seq. No.	6280	Seq. ID	OJ000118_12.0215.C14
Gene No.	13200	Strand	-
Start	2599	End	3146
Name	OJ000118_12.0215.C14.o2.gs	Method	GENSCAN
Start	2599	End	3146
GI	none	Score	.42
Exons	2599..2833, 2960..3146		

Seq. No.	6281	Seq. ID	OJ000118_12.0215.C15

Gene No.	13201	Strand	+
Start	1678	End	1877
Name	OJ000118_12.0215.C15.o3.gp	Method	AAT/GAP
Start	1678	End	1877
GI	2227_1.R1084	Score	298
Exons	1678..1877		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 2.0e-56 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	6281	Seq. ID	OJ000118_12.0215.C15
Gene No.	13202	Strand	-
Start	1	End	424
Name	OJ000118_12.0215.C15.o1.gp	Method	AAT/GAP
Start	1	End	424
GI	27195_1.R1084	Score	608
Exons	1..73, 174..424		
GI Descrip.	'3738326 4.0e-09 (AC005170) putative nodulin [Arabidopsis thaliana]'		

Seq. No.	6281	Seq. ID	OJ000118_12.0215.C15
Gene No.	13203	Strand	-
Start	1000	End	1078
Name	OJ000118_12.0215.C15.o2.gp	Method	AAT/GAP
Start	1000	End	1078
GI	38012_1.R1084	Score	93
Exons	1000..1078		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o1.np	Method	AAT/NAP
Start	1	End	3406
GI	6063554	Score	275
Exons	1..135, 1188..1461, 1522..1600, 1753..1892, 2537..2567, 3237..3406		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o1.gs	Method	GENSCAN
Start	450	End	12321
GI	none	Score	.72
Exons	450..548, 1560..1903, 1957..2034, 2188..2256, 3176..3312, 3895..4127, 8115..8164, 9209..9333, 10198..10400, 10455..10619, 10784..10975, 11036..11625, 11706..12321		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o2.np	Method	AAT/NAP
Start	8743	End	12618
GI	6466937	Score	762

Exons	8743..8790, 10521..12618		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o3.tm	Method	TBLASTX:Maize
Start	10467	End	10745
GI	none	Score	245
Exons	10467..10745, 10476..10742, 10523..10744		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o4.tm	Method	TBLASTX:Maize
Start	10895	End	11226
GI	none	Score	77
Exons	10895..10990, 10895..10966, 11078..11218, 11092..11226		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o1.tw	Method	TBLASTX:Wheat
Start	11857	End	12300
GI	none	Score	151
Exons	11857..12084, 11974..12081, 12076..12300, 12088..12255		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o1.tm	Method	TBLASTX:Maize
Start	11881	End	12354
GI	none	Score	203
Exons	11881..12084, 11892..12077, 12070..12354, 12075..12260		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o1.ts	Method	TBLASTX:Soybean
Start	12286	End	12618
GI	none	Score	284
Exons	12286..12618, 12405..12566		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o2.tw	Method	TBLASTX:Wheat
Start	12349	End	12618
GI	none	Score	219
Exons	12349..12618		

Seq. No.	6282	Seq. ID	OJ000118_12.0215.C16
Gene No.	13204	Strand	+
Start	1	End	12618
Name	OJ000118_12.0215.C16.o2.tm	Method	TBLASTX:Maize
Start	12373	End	12618

GI	none	Score	246
Exons	12373..12618, 12402..12587		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o1.np	Method	AAT/NAP
Start	1	End	1690
GI	6466937	Score	784
Exons	1..1282, 1655..1690		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o2.ts	Method	TBLASTX:Soybean
Start	15	End	261
GI	none	Score	189
Exons	15..164, 16..261		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o1.tw	Method	TBLASTX:Wheat
Start	16	End	456
GI	none	Score	230
Exons	16..456		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o2.tm	Method	TBLASTX:Maize
Start	18	End	477
GI	none	Score	338
Exons	18..164, 19..477, 121..405, 282..443		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o1.gs	Method	GENSCAN
Start	64	End	1311
GI	none	Score	.92
Exons	64..231, 340..681, 748..1311		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o1.ts	Method	TBLASTX:Soybean
Start	735	End	1074
GI	none	Score	259
Exons	735..1073, 754..1074		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o1.tm	Method	TBLASTX:Maize

Start	742	End	1272
GI	none	Score	439
Exons	742..1272, 813..1265		

Seq. No.	6283	Seq. ID	OJ000118_12.0215.C17
Gene No.	13205	Strand	+
Start	1	End	1690
Name	OJ000118_12.0215.C17.o2.tw	Method	TBLASTX:Wheat
Start	922	End	1269
GI	none	Score	226
Exons	922..1269		

Seq. No.	6284	Seq. ID	OJ000118_12.0215.C18
Gene No.	13206	Strand	+
Start	132	End	4379
Name	OJ000118_12.0215.C18.o1.gs	Method	GENSCAN
Start	132	End	4068
GI	none	Score	.57
Exons	132..449, 1136..1239, 1374..1459, 2032..2140, 2263..2362, 2575..2616, 3129..3225, 3326..3481, 3581..4068		

Seq. No.	6284	Seq. ID	OJ000118_12.0215.C18
Gene No.	13206	Strand	+
Start	132	End	4379
Name	OJ000118_12.0215.C18.o1.np	Method	AAT/NAP
Start	1852	End	4379
GI	4680203	Score	1378
Exons	1852..1934, 3129..4379		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6284	Seq. ID	OJ000118_12.0215.C18
Gene No.	13206	Strand	+
Start	132	End	4379
Name	OJ000118_12.0215.C18.o1.gp	Method	AAT/GAP
Start	3133	End	4379
GI	342_1.R1084	Score	1919
Exons	3133..4379		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6284	Seq. ID	OJ000118_12.0215.C18
Gene No.	13206	Strand	+
Start	132	End	4379
Name	OJ000118_12.0215.C18.o1.tw	Method	TBLASTX:Wheat
Start	3427	End	3828
GI	none	Score	99
Exons	3427..3579, 3503..3565, 3562..3807, 3570..3806, 3571..3828, 3573..3815, 3581..3823		

Seq. No.	6284	Seq. ID	OJ000118_12.0215.C18
Gene No.	13206	Strand	+
Start	132	End	4379
Name	OJ000118_12.0215.C18.o1.ts	Method	TBLASTX:Soybean
Start	3595	End	3885
GI	none	Score	217
Exons	3595..3810, 3603..3809, 3820..3885		

Seq. No.	6284	Seq. ID	OJ000118_12.0215.C18
Gene No.	13206	Strand	+
Start	132	End	4379
Name	OJ000118_12.0215.C18.o2.tw	Method	TBLASTX:Wheat
Start	4041	End	4375
GI	none	Score	146
Exons	4041..4163, 4042..4152, 4042..4164, 4151..4222, 4154..4219, 4155..4223, 4219..4365, 4220..4369, 4223..4375		

Seq. No.	6284	Seq. ID	OJ000118_12.0215.C18
Gene No.	13206	Strand	+
Start	132	End	4379
Name	OJ000118_12.0215.C18.o1.tm	Method	TBLASTX:Maize
Start	4042	End	4300
GI	none	Score	114
Exons	4042..4152, 4042..4170, 4154..4222, 4155..4223, 4220..4300		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13207	Strand	+
Start	1	End	1838
Name	OJ000118_12.0215.C19.o1.np	Method	AAT/NAP
Start	1	End	1279
GI	6742729	Score	1883
Exons	1..1279		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13207	Strand	+
Start	1	End	1838
Name	OJ000118_12.0215.C19.o1.gs	Method	GENSCAN
Start	801	End	1838
GI	none	Score	.63
Exons	801..1838		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13208	Strand	-
Start	1457	End	1901
Name	OJ000118_12.0215.C19.o1.gp	Method	AAT/GAP
Start	1457	End	1901
GI	LIB3431-028-P1-N1-A10	Score	762
Exons	1457..1803, 1831..1901		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13209	Strand	-
Start	2918	End	3187
Name	OJ000118_12.0215.C19.o2.tw	Method	TBLASTX:Wheat
Start	61	End	470
GI	none	Score	80
Exons	61..111, 62..112, 132..305, 133..351, 379..468, 384..470, 385..468		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13209	Strand	-
Start	2918	End	3187
Name	OJ000118_12.0215.C19.o1.tw	Method	TBLASTX:Wheat

Start	471	End	1763
GI	none	Score	149
Exons	471..704, 471..692, 472..705, 479..706, 692..1348, 693..1364, 693..1349, 1357..1398, 1358..1402, 1362..1403, 1406..1501, 1410..1469, 1448..1588, 1449..1589, 1517..1597, 1601..1654, 1602..1682, 1671..1763, 1697..1762		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13209	Strand	-
Start	2918	End	3187
Name	OJ000118_12.0215.C19.o1.tm	Method	TBLASTX:Maize
Start	514	End	803
GI	none	Score	147
Exons	514..690, 525..686, 692..802, 693..803		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13209	Strand	-
Start	2918	End	3187
Name	OJ000118_12.0215.C19.o1.tc	Method	TBLASTX:Cress
Start	734	End	1182
GI	none	Score	149
Exons	734..1171, 734..1177, 738..1181, 738..1181, 931..1182		

Seq. No.	6285	Seq. ID	OJ000118_12.0215.C19
Gene No.	13209	Strand	-
Start	2918	End	3187
Name	OJ000118_12.0215.C19.o2.gs	Method	GENSCAN
Start	2918	End	3187
GI	none	Score	.99
Exons	2918..3021, 3039..3187		

Seq. No.	6286	Seq. ID	OJ000118_12.0215.C20
Gene No.	13210	Strand	+
Start	262	End	3611
Name	OJ000118_12.0215.C20.o1.gs	Method	GENSCAN
Start	262	End	3611
GI	none	Score	.72
Exons	262..331, 1065..2264, 2360..2588, 2674..3315, 3424..3611		

Seq. No.	6286	Seq. ID	OJ000118_12.0215.C20
Gene No.	13210	Strand	+
Start	262	End	3611
Name	OJ000118_12.0215.C20.o1.np	Method	AAT/NAP
Start	828	End	2847
GI	4680204	Score	845
Exons	828..2264, 2360..2847		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6286	Seq. ID	OJ000118_12.0215.C20
Gene No.	13211	Strand	+
Start	4685	End	6761
Name	OJ000118_12.0215.C20.o2.gs	Method	GENSCAN
Start	4685	End	6761
GI	none	Score	.63
Exons	4685..4899, 6599..6761		

Seq. No.	6286	Seq. ID	OJ000118_12.0215.C20

Gene No.	13212	Strand	-
Start	7217	End	7671
Name	OJ000118_12.0215.C20.o1.tw	Method	TBLASTX:Wheat
Start	1473	End	1874
GI	none	Score	209
Exons	1473..1709, 1473..1667, 1574..1714, 1704..1874, 1757..1873		

Seq. No.	6286	Seq. ID	OJ000118_12.0215.C20
Gene No.	13212	Strand	-
Start	7217	End	7671
Name	OJ000118_12.0215.C20.o2.tw	Method	TBLASTX:Wheat
Start	1875	End	2560
GI	none	Score	65
Exons	1875..1955, 2196..2267, 2354..2560, 2356..2544		

Seq. No.	6286	Seq. ID	OJ000118_12.0215.C20
Gene No.	13212	Strand	-
Start	7217	End	7671
Name	OJ000118_12.0215.C20.o3.gs	Method	GENSCAN
Start	7217	End	7671
GI	none	Score	.68
Exons	7217..7671		

Seq. No.	6287	Seq. ID	OJ000118_12.0215.C21
Gene No.	13213	Strand	+
Start	163	End	6810
Name	OJ000118_12.0215.C21.o1.gs	Method	GENSCAN
Start	163	End	6810
GI	none	Score	.61
Exons	163..739, 863..977, 1006..1132, 1170..1299, 1413..1602, 2621..2687, 4628..4858, 5603..5828, 6773..6810		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13214	Strand	+
Start	6497	End	6742
Name	OJ000118_12.0215.C22.o4.gs	Method	GENSCAN
Start	6497	End	6742
GI	none	Score	.91
Exons	6497..6571, 6629..6742		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13215	Strand	-
Start	87	End	6077
Name	OJ000118_12.0215.C22.o2.np	Method	AAT/NAP
Start	87	End	6067
GI	5091513	Score	1145
Exons	87..112, 2702..3007, 3167..3295, 4026..4849, 5693..6067		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13215	Strand	-
Start	87	End	6077
Name	OJ000118_12.0215.C22.o1.np	Method	AAT/NAP
Start	283	End	508
GI	2664202	Score	78
Exons	283..508		
GI Descrip.	(AJ003217) GT2 [Arabidopsis thaliana]		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13215	Strand	-
Start	87	End	6077
Name	OJ000118_12.0215.C22.o1.gs	Method	GENSCAN
Start	284	End	1970
GI	none	Score	.97
Exons	284..436, 482..527, 879..927, 1911..1970		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13215	Strand	-
Start	87	End	6077
Name	OJ000118_12.0215.C22.o2.gs	Method	GENSCAN
Start	3042	End	3203
GI	none	Score	.74
Exons	3042..3203		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13215	Strand	-
Start	87	End	6077
Name	OJ000118_12.0215.C22.o3.gs	Method	GENSCAN
Start	3661	End	6077
GI	none	Score	.76
Exons	3661..4110, 4169..4339, 4362..4935, 5666..5841, 5916..6077		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13216	Strand	-
Start	6939	End	11100
Name	OJ000118_12.0215.C22.o5.gs	Method	GENSCAN
Start	6939	End	11078
GI	none	Score	.57
Exons	6939..7268, 7714..7824, 9091..9269, 9391..10217, 10485..10705, 10971..11078		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13216	Strand	-
Start	6939	End	11100
Name	OJ000118_12.0215.C22.o1.gp	Method	AAT/GAP
Start	8340	End	8430
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	8340..8430		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13216	Strand	-
Start	6939	End	11100
Name	OJ000118_12.0215.C22.o3.np	Method	AAT/NAP
Start	9191	End	11100
GI	6503300	Score	892
Exons	9191..10217, 10971..11100		
GI Descrip.	(AC011713) Contains PF|01535 Domain of unknown function. [Arabidopsis thaliana]		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13216	Strand	-

Start	6939	End	11100
Name	OJ000118_12.0215.C22.o1.tm	Method	TBLASTX:Maize
Start	9332	End	9991
GI	none	Score	93
Exons	9332..9598, 9548..9736, 9602..9943, 9602..9841, 9608..9922, 9623..9970, 9632..9982, 9746..9991		

Seq. No.	6288	Seq. ID	OJ000118_12.0215.C22
Gene No.	13216	Strand	-
Start	6939	End	11100
Name	OJ000118_12.0215.C22.o1.tc	Method	TBLASTX:Cress
Start	9590	End	9988
GI	none	Score	75
Exons	9590..9847, 9593..9943, 9593..9772, 9609..9896, 9665..9865, 9853..9930, 9899..9988		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13217	Strand	+
Start	1	End	736
Name	OJ000118_12.0215.C23.o1.np	Method	AAT/NAP
Start	1	End	736
GI	6721512	Score	79
Exons	1..112, 621..736		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13218	Strand	+
Start	1567	End	3004
Name	OJ000118_12.0215.C23.o2.np	Method	AAT/NAP
Start	1567	End	3004
GI	6721558	Score	114
Exons	1567..1697, 2965..3004		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13218	Strand	+
Start	1567	End	3004
Name	OJ000118_12.0215.C23.o3.np	Method	AAT/NAP
Start	2036	End	2137
GI	6907087	Score	123
Exons	2036..2137		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13218	Strand	+
Start	1567	End	3004
Name	OJ000118_12.0215.C23.o1.gp	Method	AAT/GAP
Start	2601	End	2982
GI	uC-osflcyp033a04b1	Score	643
Exons	2601..2982		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13219	Strand	+
Start	5595	End	5712
Name	OJ000118_12.0215.C23.o6.np	Method	AAT/NAP
Start	5595	End	5712
GI	6721512	Score	83
Exons	5595..5712		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13220	Strand	+
Start	6944	End	7250
Name	OJ000118_12.0215.C23.o2.gp	Method	AAT/GAP
Start	6944	End	7158
GI	LIB3433-017-Q6-K1-B5	Score	343
Exons	6944..7158		
GI Descrip.	'1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene'		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13220	Strand	+
Start	6944	End	7250
Name	OJ000118_12.0215.C23.o7.np	Method	AAT/NAP
Start	7012	End	7250
GI	6503301	Score	135
Exons	7012..7250		
GI Descrip.	(AC011713) Similar to gb|Y10291 highly expressed in proliferating cells protein from Arabidopsis thaliana.		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13221	Strand	-
Start	98	End	689
Name	OJ000118_12.0215.C23.o1.gs	Method	GENSCAN
Start	98	End	689
GI	none	Score	.46
Exons	98..264, 611..689		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13222	Strand	-
Start	2030	End	7885
Name	OJ000118_12.0215.C23.o2.gs	Method	GENSCAN
Start	2030	End	4446
GI	none	Score	.68
Exons	2030..2136, 2581..2734, 3650..3885, 4128..4446		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13222	Strand	-
Start	2030	End	7885
Name	OJ000118_12.0215.C23.o4.np	Method	AAT/NAP
Start	2529	End	7885
GI	4680186	Score	309
Exons	2529..2734, 3573..3633, 7855..7885		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13222	Strand	-
Start	2030	End	7885

Name	OJ000118_12.0215.C23.o5.np	Method	AAT/NAP
Start	2542	End	4806
GI	6721562	Score	412
Exons	2542..2577, 3686..4229, 4468..4806		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13222	Strand	-
Start	2030	End	7885
Name	OJ000118_12.0215.C23.o1.tw	Method	TBLASTX:Wheat
Start	3689	End	4087
GI	none	Score	260
Exons	3689..4087		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13222	Strand	-
Start	2030	End	7885
Name	OJ000118_12.0215.C23.o1.tm	Method	TBLASTX:Maize
Start	3851	End	4090
GI	none	Score	192
Exons	3851..4090		

Seq. No.	6289	Seq. ID	OJ000118_12.0215.C23
Gene No.	13222	Strand	-
Start	2030	End	7885
Name	OJ000118_12.0215.C23.o3.gs	Method	GENSCAN
Start	4973	End	7172
GI	none	Score	.59
Exons	4973..5531, 5576..5649, 6948..7172		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13223	Strand	+
Start	2120	End	3421
Name	OJ000118_07.0215.C1.o1.gs	Method	GENSCAN
Start	2120	End	3406
GI	none	Score	.47
Exons	2120..3406		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13223	Strand	+
Start	2120	End	3421
Name	OJ000118_07.0215.C1.o1.np	Method	AAT/NAP
Start	2339	End	3421
GI	4049341	Score	1173
Exons	2339..3421		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o2.gs	Method	GENSCAN
Start	7052	End	13268
GI	none	Score	.6

Exons	7052..7468, 7551..7661, 8271..8411, 8490..8660, 8760..8964, 9223..9257, 9368..9398, 9597..9736, 9969..10022, 10058..10129, 10265..10448, 11418..11810, 12238..12345, 12683..12767, 12979..13199, 13234..13268		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o1.gp	Method	AAT/GAP
Start	7268	End	8417
GI	2280544	Score	824
Exons	7268..7468, 7551..7661, 8271..8417		
GI Descrip.	2252863 3.0e-27 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o3.np	Method	AAT/NAP
Start	7370	End	12537
GI	5441611	Score	124
Exons	7370..7476, 7556..7661, 8268..8387, 8463..8663, 8760..8964, 12463..12537		
GI Descrip.	(AJ388555) hypothetical protein [Canis familiaris]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o2.gp	Method	AAT/GAP
Start	8492	End	9390
GI	20710_1.R1084	Score	1009
Exons	8492..8660, 8760..8964, 9086..9257, 9368..9390		
GI Descrip.	'2252863 3.0e-27 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]'		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o5.np	Method	AAT/NAP
Start	11273	End	11737
GI	4581120	Score	358
Exons	11273..11737		
GI Descrip.	(AC005825) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o6.np	Method	AAT/NAP
Start	12265	End	13185
GI	6498461	Score	801
Exons	12265..12345, 12570..12656, 12683..12767, 12862..13185		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o7.np	Method	AAT/NAP

Start	13090	End	18110
GI	3461846	Score	754
Exons	13090..13145, 16902..18110		
GI Descrip.	(AC005315) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13224	Strand	+
Start	7052	End	18331
Name	OJ000118_07.0215.C1.o4.gs	Method	GENSCAN
Start	16464	End	18331
GI	none	Score	.76
Exons	16464..17384, 17499..18117, 18228..18331		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13225	Strand	+
Start	24904	End	26639
Name	OJ000118_07.0215.C1.o5.gs	Method	GENSCAN
Start	24904	End	26639
GI	none	Score	.54
Exons	24904..24996, 25180..25419, 26475..26639		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13225	Strand	+
Start	24904	End	26639
Name	OJ000118_07.0215.C1.o6.gp	Method	AAT/GAP
Start	25443	End	25744
GI	uC-osflcyp154c08a1	Score	395
Exons	25443..25744		
GI Descrip.	'5701799/emb|CAB52175.1| 3.0e-29 (AJ245408) putative syntaxin protein [Arabidopsis thaliana]'		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13226	Strand	+
Start	29424	End	30194
Name	OJ000118_07.0215.C1.o8.np	Method	AAT/NAP
Start	29424	End	30194
GI	4680183	Score	176
Exons	29424..29494, 30105..30194		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13227	Strand	-
Start	15652	End	15855
Name	OJ000118_07.0215.C1.o3.gs	Method	GENSCAN
Start	15652	End	15855
GI	none	Score	.64
Exons	15652..15668, 15717..15855		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13228	Strand	-
Start	16446	End	16700
Name	OJ000118_07.0215.C1.o3.gp	Method	AAT/GAP
Start	16446	End	16700
GI	427569	Score	490
Exons	16446..16700		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13229	Strand	-
Start	22932	End	23521
Name	OJ000118_07.0215.C1.o4.gp	Method	AAT/GAP
Start	22932	End	23521
GI	none	Score	1132
Exons	22932..23521		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o1.tm	Method	TBLASTX:Maize
Start	2380	End	3295
GI	none	Score	231
Exons	2380..2796, 2384..2521, 2585..3028, 2792..3028, 3023..3295, 3061..3258, 3125..3274		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o2.tw	Method	TBLASTX:Wheat
Start	2380	End	2521
GI	none	Score	229
Exons	2380..2520, 2384..2521		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o1.tc	Method	TBLASTX:Cress
Start	2384	End	2827
GI	none	Score	214
Exons	2384..2521, 2393..2506, 2401..2520, 2585..2827, 2608..2796		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o3.ts	Method	TBLASTX:Soybean
Start	2384	End	2776
GI	none	Score	217
Exons	2384..2521, 2387..2506, 2401..2520, 2585..2776, 2596..2760		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o1.tw	Method	TBLASTX:Wheat
Start	2645	End	2946
GI	none	Score	399
Exons	2645..2944, 2647..2796, 2792..2944, 2899..2946, 2902..2946		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o1.ts	Method	TBLASTX:Soybean
Start	2777	End	3295
GI	none	Score	339
Exons	2777..3025, 2792..3025, 3053..3208, 3067..3207, 3208..3258, 3209..3295		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o2.tm	Method	TBLASTX:Maize
Start	7297	End	9448
GI	none	Score	194
Exons	7297..7476, 7301..7471, 7370..7480, 7549..7662, 7560..7661, 7564..7662, 8265..8411, 8266..8361, 8269..8412, 8270..8428, 8270..8410, 8488..8625, 8489..8635, 8502..8657, 8502..8636, 8504..8647, 8753..8965, 8757..8984, 8759..8944, 9037..9132, 9041..9151, 9118..9198, 9119..9199, 9220..9267, 9221..9268, 9364..9447, 9365..9448		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o2.ts	Method	TBLASTX:Soybean
Start	7325	End	9451
GI	none	Score	110
Exons	7325..7405, 7327..7404, 7418..7471, 8264..8389, 8271..8411, 8490..8669, 8507..8662, 8512..8670, 8738..8875, 8741..8869, 8757..8882, 8850..8987, 8885..8944, 9079..9132, 9166..9195, 9386..9451		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o2.tc	Method	TBLASTX:Cress
Start	7575	End	8798
GI	none	Score	81
Exons	7575..7661, 8268..8411, 8504..8635, 8505..8657, 8754..8798		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o5.tm	Method	TBLASTX:Maize
Start	16950	End	17174
GI	none	Score	221
Exons	16950..17174		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o5.ts	Method	TBLASTX:Soybean
Start	16956	End	17123
GI	none	Score	188
Exons	16956..17123, 16982..17068, 16989..17117		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o3.tc	Method	TBLASTX:Cress
Start	17154	End	17813
GI	none	Score	115
Exons	17154..17321, 17364..17513, 17577..17642, 17643..17813		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o3.tm	Method	TBLASTX:Maize
Start	17175	End	18101
GI	none	Score	91
Exons	17175..17312, 17313..17516, 17514..17549, 17568..17651, 17799..17951, 17906..17950,	17319..17432, 17633..17773, 18029..18100,	17324..17491, 17643..17813, 18042..18101

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o4.ts	Method	TBLASTX:Soybean
Start	17415	End	18110
GI	none	Score	97
Exons	17415..17513, 17634..17813, 17906..17950,	17645..17773, 18029..18097,	17904..17951, 18042..18110

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13230	Strand	-
Start	23782	End	25036
Name	OJ000118_07.0215.C1.o5.gp	Method	AAT/GAP
Start	23782	End	25036
GI	none	Score	2421
Exons	23782..25036		

Seq. No.	6290	Seq. ID	OJ000118_07.0215.C1
Gene No.	13231	Strand	
Start	27639	End	27996
Name	OJ000118_07.0215.C1.o4.tm	Method	TBLASTX:Maize
Start	27639	End	27996
GI	none	Score	192
Exons	27639..27854, 27642..27857, 27961..27996		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13232	Strand	+
Start	2018	End	7989
Name	OJ000118_07.0215.C2.o1.gs	Method	GENSCAN
Start	2018	End	7736
GI	none	Score	.63
Exons	2018..2203, 4095..4149, 4239..6181, 6256..6414, 6585..6756, 6858..7156, 7431..7736		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13232	Strand	+
Start	2018	End	7989
Name	OJ000118_07.0215.C2.o2.np	Method	AAT/NAP
Start	2030	End	7742
GI	2618691	Score	3273
Exons	2030..2203, 4095..4149, 4239..6181, 6256..6414, 6585..6756, 6858..7156, 7431..7742		
GI Descrip.	(AC002510) putative Ca2+-ATPase [Arabidopsis thaliana]		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13232	Strand	+
Start	2018	End	7989

Name	OJ000118_07.0215.C2.o1.gp	Method	AAT/GAP
Start	6704	End	7989
GI	10910_1.R1084	Score	1662
Exons	6704..6756, 6858..7156, 7431..7989		
GI Descrip.	'1805654/emb|CAA68234| 2.0e-63 (X99972) calmodulin-stimulated calcium-ATPase [Brassica oleracea]'		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13233	Strand	+
Start	14976	End	15583
Name	OJ000118_07.0215.C2.o3.gp	Method	AAT/GAP
Start	14976	End	15583
GI	14262_1.R1084	Score	869
Exons	14976..15478, 15522..15583		
GI Descrip.	'6056209/gb|AAF02826.1|AC009400_22 7.0e-17 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13234	Strand	+
Start	18863	End	23902
Name	OJ000118_07.0215.C2.o4.gs	Method	GENSCAN
Start	18863	End	23902
GI	none	Score	.57
Exons	18863..19344, 20379..20417, 20805..21167, 21467..21564, 21709..21791, 21883..21999, 23306..23407, 23873..23902		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13234	Strand	+
Start	18863	End	23902
Name	OJ000118_07.0215.C2.o5.gp	Method	AAT/GAP
Start	20900	End	21761
GI	5607608	Score	763
Exons	20900..21167, 21467..21564, 21709..21761		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13234	Strand	+
Start	18863	End	23902
Name	OJ000118_07.0215.C2.o6.gp	Method	AAT/GAP
Start	21879	End	22267
GI	none	Score	674
Exons	21879..22267		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13235	Strand	+
Start	23899	End	24673
Name	OJ000118_07.0215.C2.o7.gp	Method	AAT/GAP
Start	23899	End	24673
GI	5607609	Score	456
Exons	23899..24086, 24588..24673		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13236	Strand	-
Start	8267	End	9364
Name	OJ000118_07.0215.C2.o2.gs	Method	GENSCAN
Start	8267	End	9364
GI	none	Score	1
Exons	8267..9364		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o5.tm	Method	TBLASTX:Maize
Start	2017	End	4558
GI	none	Score	156
Exons	2017..2121, 2027..2146, 4090..4128, 4098..4154, 4118..4153, 4250..4348, 4270..4323, 4303..4554, 4313..4558		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o1.tc	Method	TBLASTX:Cress
Start	4089	End	7673
GI	none	Score	54
Exons	4089..4154, 4094..4135, 4252..4434, 4253..4423, 4404..4883, 4424..5437, 4447..5115, 4727..5140, 5195..5407, 5197..5439, 5491..6132, 5504..6184, 6250..6417, 6250..6417, 6252..6440, 6582..6758, 6626..6757, 6812..7159, 6826..7026, 6866..7030, 7422..7673, 7428..7673		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o4.ts	Method	TBLASTX:Soybean
Start	4418	End	4753
GI	none	Score	301
Exons	4418..4753, 4420..4653		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o2.tm	Method	TBLASTX:Maize
Start	4705	End	5416
GI	none	Score	539
Exons	4705..5406, 4706..5113, 5156..5416		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o2.ts	Method	TBLASTX:Soybean
Start	4843	End	5560
GI	none	Score	709
Exons	4843..5556, 4847..5560		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o1.tw	Method	TBLASTX:Wheat
Start	5281	End	5623
GI	none	Score	172
Exons	5281..5601, 5282..5443, 5283..5444, 5504..5623		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563

Name	OJ000118_07.0215.C2.o1.tm	Method	TBLASTX:Maize
Start	5513	End	7475
GI	none	Score	695
Exons	5513..6184, 5530..6129, 6250..6417, 6252..6419, 6582..6758, 6582..6704, 6583..6723, 6626..6757, 6812..7159, 6854..7156, 7428..7475		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o1.ts	Method	TBLASTX:Soybean
Start	5564	End	7666
GI	none	Score	671
Exons	5564..6184, 5564..5806, 5566..6132, 5951..6184, 6232..6414, 6250..6417, 6255..6419, 6582..6758, 6582..6701, 6626..6757, 6812..7159, 6847..7173, 7428..7601, 7472..7666		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o7.tm	Method	TBLASTX:Maize
Start	7476	End	7747
GI	none	Score	102
Exons	7476..7667, 7476..7667, 7537..7668, 7558..7668, 7671..7742, 7685..7747		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o2.gp	Method	AAT/GAP
Start	12437	End	14942
GI	16175_1.R1084	Score	1286
Exons	12437..12869, 13577..13752, 13854..13900, 14913..14942		
GI Descrip.	'6056209/gb|AAF02826.1|AC009400_22 1.0e-36 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o3.tm	Method	TBLASTX:Maize
Start	12667	End	13776
GI	none	Score	96
Exons	12667..12699, 12765..12872, 12765..12875, 12766..12879, 12961..12978, 13574..13750, 13574..13741, 13576..13776		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o3.np	Method	AAT/NAP
Start	12764	End	18790
GI	6056209	Score	715
Exons	12764..12869, 13577..13752, 13854..13900, 14913..15432, 18665..18790		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-

Start	12765	End	19563
Name	OJ000118_07.0215.C2.o3.gs	Method	GENSCAN
Start	12765	End	15849
GI	none	Score	.95
Exons	12765..12869, 12961..12979, 13577..13752, 13854..13900, 14913..15849		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o3.ts	Method	TBLASTX:Soybean
Start	12765	End	15000
GI	none	Score	111
Exons	12765..12875, 12769..12879, 12961..12978, 13574..13753, 13576..13755, 13849..13902, 13854..13901, 14911..15000, 14912..14998		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o6.tm	Method	TBLASTX:Maize
Start	13825	End	15046
GI	none	Score	78
Exons	13825..13902, 13854..13901, 14911..15045, 14912..15046		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o2.tc	Method	TBLASTX:Cress
Start	14956	End	15117
GI	none	Score	63
Exons	14956..15117, 15044..15115		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13237	Strand	-
Start	12765	End	19563
Name	OJ000118_07.0215.C2.o4.np	Method	AAT/NAP
Start	17565	End	19563
GI	1076802	Score	252
Exons	17565..17584, 18320..19563		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	6291	Seq. ID	OJ000118_07.0215.C2
Gene No.	13238	Strand	
Start	21461	End	22740
Name	OJ000118_07.0215.C2.o4.tm	Method	TBLASTX:Maize
Start	21461	End	22740
GI	none	Score	124
Exons	21461..21565, 21465..21566, 21699..21791, 21710..21781, 21726..21791, 21856..22008, 21881..21943, 21882..22007, 21889..22032, 22299..22361, 22365..22385, 22517..22594, 22518..22595, 22536..22598, 22537..22599, 22660..22740, 22677..22739, 22678..22740		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3

Gene No.	13239	Strand	+
Start	1	End	93
Name	OJ000118_07.0215.C3.o1.gp	Method	AAT/GAP
Start	1	End	93
GI	5607609	Score	154
Exons	1..93		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13240	Strand	+
Start	3682	End	14287
Name	OJ000118_07.0215.C3.o2.gs	Method	GENSCAN
Start	3682	End	14087
GI	none	Score	.72
Exons	3682..3795, 3970..4173, 5297..5441, 7651..8404, 10063..10250, 10255..10418, 10462..10617, 10805..10891, 11020..11124, 11322..11483, 12215..12286, 12863..13140, 13853..14087		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13240	Strand	+
Start	3682	End	14287
Name	OJ000118_07.0215.C3.o4.gp	Method	AAT/GAP
Start	3898	End	4173
GI	none	Score	413
Exons	3898..4173		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13240	Strand	+
Start	3682	End	14287
Name	OJ000118_07.0215.C3.o2.np	Method	AAT/NAP
Start	6614	End	7948
GI	4678923	Score	167
Exons	6614..6684, 7503..7948		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13240	Strand	+
Start	3682	End	14287
Name	OJ000118_07.0215.C3.o6.gp	Method	AAT/GAP
Start	10223	End	14287
GI	240_1.R1084	Score	2300
Exons	10223..10461, 10570..10692, 10805..10891, 11020..11124, 11322..11482, 12049..12090, 12220..12286, 12863..12984, 13089..13140, 13853..14287		
GI Descrip.	'984756/emb|CAA90866| 1.0e-171 (Z54153) chilling-inducible protein [Oryza sativa]'		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13240	Strand	+
Start	3682	End	14287
Name	OJ000118_07.0215.C3.o3.np	Method	AAT/NAP
Start	10303	End	14084
GI	984756	Score	1448
Exons	10303..10461, 10570..10692, 10805..10891, 11020..11124, 11322..11481, 12050..12090, 12220..12286, 12863..12981, 13086..13140, 13853..14084		
GI Descrip.	(Z54153) chilling-inducible protein [Oryza sativa]		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13241	Strand	-
Start	278	End	3754
Name	OJ000118_07.0215.C3.o2.gp	Method	AAT/GAP
Start	278	End	1186
GI	none	Score	804
Exons	278..670, 1158..1186		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13241	Strand	-
Start	278	End	3754
Name	OJ000118_07.0215.C3.o1.np	Method	AAT/NAP
Start	601	End	3014
GI	1653775	Score	351
Exons	601..670, 1158..1204, 1379..1471, 1746..1905, 2263..2424, 2687..2801, 2923..3014		
GI Descrip.	(D90916) thiol:disulfide interchange protein DsbD [Synechocystis sp.]		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13241	Strand	-
Start	278	End	3754
Name	OJ000118_07.0215.C3.o1.gs	Method	GENSCAN
Start	1158	End	3471
GI	none	Score	.88
Exons	1158..1187, 1379..1471, 1746..1846, 1947..2019, 2263..2424, 2582..2613, 3450..3471		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13241	Strand	-
Start	278	End	3754
Name	OJ000118_07.0215.C3.o3.gp	Method	AAT/GAP
Start	1975	End	3754
GI	6761_1.R1084	Score	1268
Exons	1975..2019, 2263..2424, 2582..2613, 2716..2801, 2923..3050, 3292..3312, 3413..3754		
GI Descrip.	'3184559 4.0e-28 (AF052290) putative c-type cytochrome biogenesis protein [Synechococcus PCC7002]'		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13242	Strand	-
Start	7649	End	7810
Name	OJ000118_07.0215.C3.o5.gp	Method	AAT/GAP
Start	7649	End	7810
GI	none	Score	296
Exons	7649..7810		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o4.tm	Method	TBLASTX:Maize
Start	594	End	1857
GI	none	Score	58
Exons	594..638, 594..656, 595..639, 635..670, 636..671, 638..673, 1158..1205, 1160..1252, 1160..1204, 1379..1465, 1379..1474, 1380..1472, 1731..1853, 1732..1857, 1747..1854		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o2.tm	Method	TBLASTX:Maize
Start	1953	End	2813
GI	none	Score	83
Exons	1953..2021, 1953..2045, 2260..2424, 2261..2425, 2261..2425, 2579..2614, 2580..2615, 2677..2781, 2708..2785, 2715..2813, 2715..2780		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o2.ts	Method	TBLASTX:Soybean
Start	2260	End	3041
GI	none	Score	169
Exons	2260..2424, 2264..2425, 2579..2614, 2708..2791, 2715..2804, 2732..2809, 2917..3033, 2923..3006, 2925..3041, 2925..3014		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o5.tm	Method	TBLASTX:Maize
Start	7649	End	7805
GI	none	Score	94
Exons	7649..7747, 7666..7800, 7667..7801, 7668..7805		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o2.tc	Method	TBLASTX:Cress
Start	7668	End	7925
GI	none	Score	258
Exons	7668..7925, 7668..7925		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o1.tm	Method	TBLASTX:Maize
Start	10291	End	14102
GI	none	Score	73
Exons	10291..10356, 10300..10350, 10407..10457, 10567..10695, 10567..10692, 10569..10694, 10775..10891, 10798..10893, 10801..10893, 11015..11131, 11017..11130, 11019..11138, 11019..11138, 11320..11418, 11321..11440, 11430..11486, 12049..12090, 12187..12288, 12214..12288, 12860..13141, 12862..13179, 12863..13141, 13850..14086, 13851..14093, 13950..14102		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o1.ts	Method	TBLASTX:Soybean
Start	10533	End	14090
GI	none	Score	151
Exons	10533..10694, 10567..10695, 10775..10891, 12205..12279, 12868..13179, 12875..13141, 13850..13960, 13851..13967,		

13983..14090, 14031..14087

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o3.tc	Method	TBLASTX:Cress
Start	13850	End	14087
GI	none	Score	125
Exons	13850..13924, 13851..13967, 13852..13989, 14009..14086, 14010..14084, 14031..14087		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o3.gs	Method	GENSCAN
Start	14991	End	16896
GI	none	Score	.47
Exons	14991..15733, 16105..16307, 16393..16608, 16820..16896		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o4.np	Method	AAT/NAP
Start	15021	End	16683
GI	4406766	Score	485
Exons	15021..15870, 16584..16683		
GI Descrip.	(AC006836) putative steroid sulfotransferase [Arabidopsis thaliana]		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o1.tc	Method	TBLASTX:Cress
Start	15183	End	15832
GI	none	Score	95
Exons	15183..15413, 15184..15411, 15441..15683, 15463..15624, 15692..15832		

Seq. No.	6292	Seq. ID	OJ000118_07.0215.C3
Gene No.	13243	Strand	-
Start	14991	End	16896
Name	OJ000118_07.0215.C3.o3.tm	Method	TBLASTX:Maize
Start	15213	End	15552
GI	none	Score	65
Exons	15213..15464, 15358..15453, 15363..15545, 15471..15545, 15475..15552		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o1.np	Method	AAT/NAP
Start	1	End	3716
GI	6539553	Score	6411
Exons	1..3716		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597)		

[Oryza sativa]

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o5.tm	Method	TBLASTX:Maize
Start	1	End	253
GI	none	Score	171
Exons	1..249, 3..251, 3..248, 5..253		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o5.tw	Method	TBLASTX:Wheat
Start	3	End	192
GI	none	Score	200
Exons	3..191, 5..190, 40..192		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o1.tm	Method	TBLASTX:Maize
Start	752	End	1074
GI	none	Score	268
Exons	752..1006, 759..1073, 779..1072, 907..1074		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o5.ts	Method	TBLASTX:Soybean
Start	1101	End	1487
GI	none	Score	84
Exons	1101..1250, 1290..1487		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o4.tw	Method	TBLASTX:Wheat
Start	1353	End	1544
GI	none	Score	275
Exons	1353..1544, 1353..1544		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o4.tm	Method	TBLASTX:Maize
Start	1401	End	1895
GI	none	Score	228
Exons	1401..1709, 1484..1675, 1530..1685, 1728..1895		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o3.ts	Method	TBLASTX:Soybean
Start	1497	End	1895
GI	none	Score	197
Exons	1497..1721, 1505..1675, 1722..1895, 1730..1789		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o2.tc	Method	TBLASTX:Cress
Start	1530	End	1919
GI	none	Score	112
Exons	1530..1712, 1725..1919		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o1.tw	Method	TBLASTX:Wheat
Start	1545	End	2300
GI	none	Score	634
Exons	1545..2009, 1553..2032, 2053..2283, 2061..2300, 2083..2280, 2141..2299		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o1.ts	Method	TBLASTX:Soybean
Start	2220	End	2684
GI	5509260	Score	385
Exons	2220..2684, 2321..2389, 2438..2533, 2606..2665		
GI Descrip.	-		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o1.tc	Method	TBLASTX:Cress
Start	2313	End	2573
GI	none	Score	281
Exons	2313..2573		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o2.tm	Method	TBLASTX:Maize
Start	2352	End	2819
GI	none	Score	362
Exons	2352..2819, 2354..2536, 2490..2672, 2606..2716		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o3.tw	Method	TBLASTX:Wheat
Start	2352	End	2900
GI	none	Score	320
Exons	2352..2699, 2502..2675, 2694..2900		

Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o2.ts	Method	TBLASTX:Soybean
Start	2753	End	3098
GI	none	Score	310

Exons	2753..2953, 2754..3098		
Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o3.tm	Method	TBLASTX:Maize
Start	2909	End	3248
GI	none	Score	314
Exons	2909..3247, 2910..3248		
Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o2.tw	Method	TBLASTX:Wheat
Start	3104	End	3579
GI	none	Score	101
Exons	3104..3175, 3105..3179, 3106..3177, 3194..3547, 3194..3574, 3195..3578, 3196..3579		
Seq. No.	6293	Seq. ID	OJ000118_07.0215.C4
Gene No.	13244	Strand	+
Start	1	End	3716
Name	OJ000118_07.0215.C4.o4.ts	Method	TBLASTX:Soybean
Start	3111	End	3452
GI	none	Score	91
Exons	3111..3224, 3137..3217, 3243..3452, 3248..3373		
Seq. No.	6294	Seq. ID	OJ000118_07.0215.C5
Gene No.	13245	Strand	-
Start	1968	End	2981
Name	OJ000118_07.0215.C5.o2.gs	Method	GENSCAN
Start	1968	End	2981
GI	none	Score	.71
Exons	1968..2981		
Seq. No.	6294	Seq. ID	OJ000118_07.0215.C5
Gene No.	13245	Strand	-
Start	1968	End	2981
Name	OJ000118_07.0215.C5.o1.np	Method	AAT/NAP
Start	1995	End	2960
GI	3420008	Score	526
Exons	1995..2960		
GI Descrip.	(AF000307) steroid sulfotransferase 3 [Brassica napus]		
Seq. No.	6294	Seq. ID	OJ000118_07.0215.C5
Gene No.	13245	Strand	-
Start	1968	End	2981
Name	OJ000118_07.0215.C5.o1.gp	Method	AAT/GAP
Start	2074	End	2357
GI	LIB3433-014-Q6-K1-A12	Score	521
Exons	2074..2357		
GI Descrip.	'4539424/emb|CAB38957.1| 1.0e-19 (AL049171) steroid sulfotransferase-like protein [Arabidopsis thaliana]'		
Seq. No.	6294	Seq. ID	OJ000118_07.0215.C5
Gene No.	13245	Strand	-
Start	1968	End	2981

Name	OJ000118_07.0215.C5.o1.tc	Method	TBLASTX:Cress
Start	2160	End	2786
GI	none	Score	58
Exons	2160..2390, 2161..2268, 2242..2391, 2326..2436, 2451..2639, 2601..2672, 2691..2786		

Seq. No.	6294	Seq. ID	OJ000118_07.0215.C5
Gene No.	13245	Strand	-
Start	1968	End	2981
Name	OJ000118_07.0215.C5.o1.tm	Method	TBLASTX:Maize
Start	2190	End	2529
GI	none	Score	77
Exons	2190..2435, 2242..2436, 2335..2436, 2340..2522, 2451..2522, 2452..2529		

Seq. No.	6295	Seq. ID	OJ000118_07.0215.C6
Gene No.	13246	Strand	-
Start	344	End	1645
Name	OJ000118_07.0215.C6.o1.gs	Method	GENSCAN
Start	344	End	1645
GI	none	Score	.47
Exons	344..648, 726..882, 1045..1133, 1512..1645		

Seq. No.	6296	Seq. ID	OJ000118_07.0215.C7
Gene No.	13247	Strand	+
Start	511	End	648
Name	OJ000118_07.0215.C7.o1.gs	Method	GENSCAN
Start	511	End	648
GI	none	Score	.69
Exons	511..648		

Seq. No.	6296	Seq. ID	OJ000118_07.0215.C7
Gene No.	13248	Strand	+
Start	10053	End	10667
Name	OJ000118_07.0215.C7.o3.gs	Method	GENSCAN
Start	10053	End	10667
GI	none	Score	.62
Exons	10053..10068, 10175..10319, 10511..10667		

Seq. No.	6296	Seq. ID	OJ000118_07.0215.C7
Gene No.	13249	Strand	-
Start	2139	End	3106
Name	OJ000118_07.0215.C7.o1.np	Method	AAT/NAP
Start	2139	End	3106
GI	3420008	Score	490
Exons	2139..3106		
GI Descrip.	(AF000307) steroid sulfotransferase 3 [Brassica napus]		

Seq. No.	6296	Seq. ID	OJ000118_07.0215.C7
Gene No.	13250	Strand	-
Start	12512	End	13752
Name	OJ000118_07.0215.C7.o1.tc	Method	TBLASTX:Cress
Start	2304	End	7659
GI	none	Score	66
Exons	2304..2534, 2595..2801, 2605..2745, 2835..2930, 6661..6891, 6662..6892, 6952..6984, 7360..7512, 7564..7659		

Seq. No.	6296	Seq. ID	OJ000118_07.0215.C7
Gene No.	13250	Strand	-
Start	12512	End	13752
Name	OJ000118_07.0215.C7.o1.tm	Method	TBLASTX:Maize
Start	2334	End	6993
GI	none	Score	77
Exons	2334..2579, 2364..2579, 2484..2666, 2596..2673, 6691..6936, 6836..6937, 6952..6993, 6952..6987		

Seq. No.	6296	Seq. ID	OJ000118_07.0215.C7
Gene No.	13250	Strand	-
Start	12512	End	13752
Name	OJ000118_07.0215.C7.o4.gs	Method	GENSCAN
Start	12512	End	13752
GI	none	Score	.59
Exons	12512..12595, 13555..13676, 13705..13723, 13750..13752		

Seq. No.	6297	Seq. ID	OJ000118_07.0215.C9
Gene No.	13251	Strand	-
Start	1	End	303
Name	OJ000118_07.0215.C9.o1.gp	Method	AAT/GAP
Start	1	End	294
GI	5607609	Score	342
Exons	1..113, 211..294		

Seq. No.	6297	Seq. ID	OJ000118_07.0215.C9
Gene No.	13251	Strand	-
Start	1	End	303
Name	OJ000118_07.0215.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	303
GI	none	Score	216
Exons	1..126, 1..144, 2..133, 210..293, 210..302, 211..303		

Seq. No.	6298	Seq. ID	OJ000118_06.0222.C3
Gene No.	13252	Strand	+
Start	569	End	628
Name	OJ000118_06.0222.C3.o1.gs	Method	GENSCAN
Start	569	End	628
GI	none	Score	.61
Exons	569..628		

Seq. No.	6299	Seq. ID	OJ000118_06.0222.C4
Gene No.	13253	Strand	-
Start	1	End	2668
Name	OJ000118_06.0222.C4.o1.np	Method	AAT/NAP
Start	1	End	2141
GI	5922636	Score	349
Exons	1..91, 118..348, 935..1067, 1358..1592, 2069..2141		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6299	Seq. ID	OJ000118_06.0222.C4
Gene No.	13253	Strand	-
Start	1	End	2668

Name	OJ000118_06.0222.C4.o1.gs	Method	GENSCAN
Start	104	End	2668
GI	none	Score	.56
Exons	104..425, 1009..1240, 1301..1507, 1622..2067, 2349..2668		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13254	Strand	+
Start	2902	End	4181
Name	OJ000118_06.0222.C5.o2.np	Method	AAT/NAP
Start	2881	End	4181
GI	4914406	Score	297
Exons	2881..3020, 3201..3367, 3716..3802, 3914..4024, 4114..4181		
GI Descrip.	(AL050352) mRNA cleavage factor subunit-like protein [Arabidopsis thaliana]		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13254	Strand	+
Start	2902	End	4181
Name	OJ000118_06.0222.C5.o2.gs	Method	GENSCAN
Start	2902	End	4167
GI	none	Score	.91
Exons	2902..3080, 3174..3313, 3524..3615, 3716..3802, 3914..4024, 4114..4167		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13255	Strand	-
Start	855	End	3071
Name	OJ000118_06.0222.C5.o1.gs	Method	GENSCAN
Start	855	End	2689
GI	none	Score	.79
Exons	855..875, 1268..1384, 1490..2143, 2609..2689		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13255	Strand	-
Start	855	End	3071
Name	OJ000118_06.0222.C5.o1.np	Method	AAT/NAP
Start	1538	End	3071
GI	2244844	Score	137
Exons	1538..1786, 1831..1888, 3025..3071		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13256	Strand	-
Start	4686	End	5056
Name	OJ000118_06.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	3172	End	4184
GI	none	Score	175
Exons	3172..3309, 3197..3322, 3716..3802, 3718..3804, 3910..4014, 3911..4018, 4111..4143, 4143..4184		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13256	Strand	-
Start	4686	End	5056
Name	OJ000118_06.0222.C5.o3.gs	Method	GENSCAN
Start	4686	End	5056
GI	none	Score	.72
Exons	4686..4861, 4954..5056		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13256	Strand	-
Start	4686	End	5056
Name	OJ000118_06.0222.C5.o3.np	Method	AAT/NAP
Start	4695	End	5040
GI	4455323	Score	169
Exons	4695..4871, 4954..5040		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	6300	Seq. ID	OJ000118_06.0222.C5
Gene No.	13256	Strand	-
Start	4686	End	5056
Name	OJ000118_06.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	4771	End	5037
GI	none	Score	131
Exons	4771..4872, 4773..4886, 4953..5033, 4954..5037, 4955..5032		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o1.np	Method	AAT/NAP
Start	1	End	6459
GI	4455323	Score	1611
Exons	1..31, 555..632, 721..827, 914..1028, 1106..1283, 1502..1589, 1701..1832, 1919..2210, 3006..3188, 3949..4062, 4966..5082, 5435..5588, 5811..6094, 6314..6459		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	543	End	3214
GI	none	Score	132
Exons	543..656, 555..632, 736..807, 757..822, 758..841, 759..821, 910..1029, 912..1031, 915..1037, 1077..1277, 1091..1309, 1107..1286, 1115..1309, 1506..1598, 1506..1598, 1507..1599, 1516..1599, 1526..1600, 1705..1833, 1708..1833, 1709..1834, 1916..2053, 1917..2054, 1917..2084, 2085..2219, 2086..2244, 2999..3067, 3004..3192, 3006..3194, 3007..3177, 3146..3214		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o1.gs	Method	GENSCAN
Start	555	End	6416
GI	none	Score	.87
Exons	555..632, 760..827, 914..1053, 1502..1599, 1711..1832, 1919..2210, 3006..3188, 3949..4115, 4336..4402, 4966..5082, 5435..5588, 5697..5790, 5908..6094, 6314..6416		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o1.gp	Method	AAT/GAP
Start	593	End	1294

GI	LIB3431-016-P1-K1-G10	Score	726
Exons	593..632, 760..827, 914..1028, 1106..1294		
GI Descrip.	'4455323/emb|CAB36783.1| 1.0e-38 (AL035525) aminopeptidase-like protein [Arabidopsis thaliana]'		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o2.tc	Method	TBLASTX:Cress
Start	910	End	1791
GI	none	Score	68
Exons	910..1017, 910..1029, 912..1031, 1106..1279, 1110..1280, 1179..1280, 1186..1281, 1705..1791		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o1.ts	Method	TBLASTX:Soybean
Start	1107	End	3194
GI	none	Score	108
Exons	1107..1283, 1109..1336, 1501..1599, 1705..1833, 1706..1834, 1917..2051, 1956..2054, 2097..2213, 2113..2208, 3006..3194, 3049..3177		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o3.tc	Method	TBLASTX:Cress
Start	1915	End	3071
GI	none	Score	60
Exons	1915..2049, 1917..2048, 2100..2228, 2104..2250, 3006..3071		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o1.tc	Method	TBLASTX:Cress
Start	3949	End	5587
GI	none	Score	107
Exons	3949..4068, 3950..4063, 4963..5082, 4964..5083, 5157..5279, 5163..5279, 5173..5280, 5432..5587, 5433..5585		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o2.ts	Method	TBLASTX:Soybean
Start	4963	End	5509
GI	none	Score	109
Exons	4963..5082, 4964..5083, 5157..5279, 5166..5279, 5173..5280, 5174..5281, 5432..5509		

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o2.tm	Method	TBLASTX:Maize
Start	5039	End	6055
GI	none	Score	57
Exons	5039..5083, 5041..5082, 5178..5279, 5179..5280, 5179..5280,		

5432..5587, 5433..5588, 5433..5600, 5554..5589, 5686..5784,
5694..5783, 5696..5791, 5697..5795, 5903..6052, 5906..6055

Seq. No.	6301	Seq. ID	OJ000118_06.0222.C6
Gene No.	13257	Strand	-
Start	1	End	6459
Name	OJ000118_06.0222.C6.o3.ts	Method	TBLASTX:Soybean
Start	5750	End	6106
GI	none	Score	49
Exons	5750..5791, 5757..5795, 5901..6095, 5906..6094, 5927..6106, 5931..6095		

Seq. No.	6302	Seq. ID	OJ000118_06.0222.C7
Gene No.	13258	Strand	-
Start	1	End	2798
Name	OJ000118_06.0222.C7.o1.np	Method	AAT/NAP
Start	1	End	1840
GI	4455323	Score	272
Exons	1..20, 1383..1535, 1621..1840		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	6302	Seq. ID	OJ000118_06.0222.C7
Gene No.	13258	Strand	-
Start	1	End	2798
Name	OJ000118_06.0222.C7.o1.gs	Method	GENSCAN
Start	1394	End	2798
GI	none	Score	.45
Exons	1394..1539, 1589..1787, 1806..1973, 2368..2559, 2687..2798		

Seq. No.	6302	Seq. ID	OJ000118_06.0222.C7
Gene No.	13258	Strand	-
Start	1	End	2798
Name	OJ000118_06.0222.C7.o1.tc	Method	TBLASTX:Cress
Start	1394	End	1837
GI	none	Score	69
Exons	1394..1483, 1396..1536, 1646..1837		

Seq. No.	6302	Seq. ID	OJ000118_06.0222.C7
Gene No.	13258	Strand	-
Start	1	End	2798
Name	OJ000118_06.0222.C7.o1.ts	Method	TBLASTX:Soybean
Start	1394	End	1837
GI	none	Score	62
Exons	1394..1483, 1396..1530, 1646..1837		

Seq. No.	6302	Seq. ID	OJ000118_06.0222.C7
Gene No.	13258	Strand	-
Start	1	End	2798
Name	OJ000118_06.0222.C7.o1.tm	Method	TBLASTX:Maize
Start	1441	End	1852
GI	none	Score	55
Exons	1441..1539, 1442..1546, 1643..1852, 1665..1709, 1800..1832		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.gp	Method	AAT/GAP

Start	1696	End	2929
GI	90620_1.R1084	Score	1323
Exons	1696..2339, 2892..2929		
GI Descrip.	'3928150/emb|CAA10289| 1.0e-56 (AJ131049) hypothetical protein [Cicer arietinum]'		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.np	Method	AAT/NAP
Start	1981	End	2929
GI	3928150	Score	516
Exons	1981..2339, 2892..2929		
GI Descrip.	(AJ131049) hypothetical protein [Cicer arietinum]		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	1982	End	2330
GI	none	Score	378
Exons	1982..2257, 1990..2328, 1994..2296, 1998..2330		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.gs	Method	GENSCAN
Start	1984	End	2910
GI	none	Score	.97
Exons	1984..2339, 2892..2910		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.ts	Method	TBLASTX:Soybean
Start	1995	End	2348
GI	none	Score	91
Exons	1995..2144, 1996..2346, 2009..2296, 2052..2348		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.tc	Method	TBLASTX:Cress
Start	1999	End	2346
GI	none	Score	321
Exons	1999..2346, 2009..2296		

Seq. No.	6303	Seq. ID	OJ000118_06.0222.C8
Gene No.	13259	Strand	-
Start	1984	End	2929
Name	OJ000118_06.0222.C8.o1.tw	Method	TBLASTX:Wheat
Start	2104	End	2277
GI	none	Score	126
Exons	2104..2154, 2146..2268, 2156..2269, 2160..2273, 2161..2277		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13260	Strand	+

Start	1805	End	2429
Name	OJ000118_06.0222.C9.o2.gs	Method	GENSCAN
Start	1805	End	2429
GI	none	Score	.75
Exons	1805..1953, 2174..2429		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13261	Strand	-
Start	1	End	2680
Name	OJ000118_06.0222.C9.o1.np	Method	AAT/NAP
Start	1	End	881
GI	6358809	Score	507
Exons	1..178, 302..422, 693..881		
GI Descrip.	(AC010675) unknown protein [Arabidopsis thaliana]		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13261	Strand	-
Start	1	End	2680
Name	OJ000118_06.0222.C9.o1.gs	Method	GENSCAN
Start	87	End	881
GI	none	Score	.86
Exons	87..178, 302..422, 693..881		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13261	Strand	-
Start	1	End	2680
Name	OJ000118_06.0222.C9.o1.gp	Method	AAT/GAP
Start	92	End	2680
GI	25375_1.R1084	Score	918
Exons	92..178, 302..422, 693..888, 2583..2680		
GI Descrip.	'3928150/emb|CAA10289| 4.0e-50 (AJ131049) hypothetical protein [Cicer arietinum]'		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13262	Strand	-
Start	3414	End	4541
Name	OJ000118_06.0222.C9.o1.tc	Method	TBLASTX:Cress
Start	72	End	888
GI	none	Score	69
Exons	72..194, 87..206, 298..423, 303..425, 678..881, 691..888, 698..886		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13262	Strand	-
Start	3414	End	4541
Name	OJ000118_06.0222.C9.o1.ts	Method	TBLASTX:Soybean
Start	85	End	888
GI	none	Score	91
Exons	85..174, 86..175, 87..176, 87..197, 157..186, 298..423, 302..424, 303..425, 303..425, 678..881, 691..882, 691..888		

Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13262	Strand	-
Start	3414	End	4541
Name	OJ000118_06.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	86	End	891
GI	none	Score	107

Exons	86..175, 87..176, 87..197, 139..186, 298..423, 302..439, 303..425, 678..890, 691..891		
Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13262	Strand	-
Start	3414	End	4541
Name	OJ000118_06.0222.C9.o1.tw	Method	TBLASTX:Wheat
Start	140	End	893
GI	none	Score	58
Exons	140..187, 141..188, 141..197, 298..423, 303..425, 305..424, 503..550, 678..893, 691..891, 699..893		
Seq. No.	6304	Seq. ID	OJ000118_06.0222.C9
Gene No.	13262	Strand	-
Start	3414	End	4541
Name	OJ000118_06.0222.C9.o3.gs	Method	GENSCAN
Start	3414	End	4541
GI	none	Score	.66
Exons	3414..3608, 4128..4224, 4495..4541		
Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o1.gs	Method	GENSCAN
Start	2008	End	16277
GI	none	Score	.78
Exons	2008..2310, 2461..2549, 2673..2778, 2881..3009, 3420..3512, 3711..3911, 4201..4553, 4663..4788, 5050..5212, 5312..5470, 6623..6726, 7065..7242, 7460..7620, 7924..8078, 8208..8320, 8479..8622, 9533..9557, 11189..11484, 11942..12081, 12643..12796, 12897..13258, 13493..13618, 13703..13865, 13949..14107, 14197..14321, 14417..14545, 14796..14881, 15198..15234, 15258..15402, 15507..15589, 15836..16143, 16192..16277		
Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o1.np	Method	AAT/NAP
Start	2014	End	5008
GI	4741193	Score	795
Exons	2014..2310, 2461..2549, 2673..2778, 2881..3009, 3218..3324, 3398..3512, 4201..5008		
GI Descrip.	(AL049746) ABC transporter-like protein [Arabidopsis thaliana]		
Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o3.ts	Method	TBLASTX:Soybean
Start	2029	End	11367
GI	none	Score	154
Exons	2029..2079, 2161..2193, 11182..11367, 11210..11365		
Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o1.tm	Method	TBLASTX:Maize

Start	2032	End	11877
GI	none	Score	297
Exons	2032..2079, 2146..2313, 11180..11485, 11182..11487, 11590..11628, 11727..11864, 11758..11877		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o1.ts	Method	TBLASTX:Soybean
Start	2672	End	12417
GI	none	Score	79
Exons	2672..2761, 2674..2778, 2692..2802, 2875..3018, 2876..3019, 3213..3302, 3227..3301, 3397..3426, 3402..3434, 11748..11864, 11758..11865, 11762..11866, 11763..11870, 11936..12082, 11937..12071, 11948..12073, 12211..12303, 12221..12289, 12365..12415, 12385..12417		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o3.tm	Method	TBLASTX:Maize
Start	2672	End	12487
GI	none	Score	73
Exons	2672..2761, 2692..2775, 2875..3018, 2876..3016, 3156..3188, 3213..3302, 3217..3303, 3227..3304, 3394..3504, 3408..3503, 11942..12082, 11943..12071, 11948..12082, 12204..12323, 12205..12324, 12206..12289, 12377..12487, 12391..12486		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o2.tm	Method	TBLASTX:Maize
Start	3810	End	13427
GI	none	Score	143
Exons	3810..3914, 4337..4537, 4342..4548, 4664..4747, 12687..12797, 12693..12767, 12695..12802, 12969..13265, 12982..13257, 12990..13259, 13338..13427, 13341..13424, 13348..13425		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o1.tw	Method	TBLASTX:Wheat
Start	4305	End	13257
GI	none	Score	57
Exons	4305..4508, 4341..4535, 4342..4548, 4352..4543, 12897..12965, 12897..12986, 12993..13256, 12997..13257, 13014..13256		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o2.ts	Method	TBLASTX:Soybean
Start	4343	End	13253
GI	none	Score	108
Exons	4343..4549, 4399..4548, 13026..13253, 13027..13251		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-

Start	2008	End	16277
Name	OJ000118_06.0222.C10.o4.tm	Method	TBLASTX:Maize
Start	4840	End	13835
GI	none	Score	61
Exons	4840..4956, 4851..4955, 5048..5182, 5049..5177, 5063..5179, 13500..13619, 13501..13620, 13501..13617, 13545..13619, 13701..13835, 13702..13788, 13713..13805		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o2.gp	Method	AAT/GAP
Start	11089	End	12296
GI	60338_1.R1084	Score	1495
Exons	11089..11484, 11593..11681, 11759..11864, 11942..12070, 12205..12296		
GI Descrip.	'4741195/emb|CAB41861.1| 1.0e-101 (AL049746) ABC transporter-like protein [Arabidopsis thaliana]'		

Seq. No.	6305	Seq. ID	OJ000118_06.0222.C10
Gene No.	13263	Strand	-
Start	2008	End	16277
Name	OJ000118_06.0222.C10.o2.np	Method	AAT/NAP
Start	11188	End	16051
GI	4741195	Score	2352
Exons	11188..11484, 11593..11681, 11759..11864, 11942..12070, 12205..12289, 12386..12495, 12596..12792, 12893..13258, 13337..13420, 13493..13618, 13703..13865, 13949..14107, 14197..14321, 14417..14545, 15258..15379, 15598..16051		
GI Descrip.	(AL049746) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	6306	Seq. ID	OJ000118_06.0222.C11
Gene No.	13264	Strand	+
Start	335	End	498
Name	OJ000118_06.0222.C11.o1.gs	Method	GENSCAN
Start	335	End	498
GI	none	Score	.97
Exons	335..498		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o1.gp	Method	AAT/GAP
Start	8542	End	10068
GI	2310235	Score	290
Exons	8542..8579, 8992..9131, 10008..10068		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o2.gs	Method	GENSCAN
Start	8992	End	13440
GI	none	Score	.69
Exons	8992..9785, 9852..10156, 10311..10900, 11093..11582, 11763..11890, 12139..12274, 12685..12803, 13204..13440		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o2.gp	Method	AAT/GAP
Start	8996	End	11950
GI	342_1.R1084	Score	4922
Exons	8996..11950		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o3.gp	Method	AAT/GAP
Start	8996	End	11950
GI	342_1.R1084	Score	4924
Exons	8996..11950		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o1.np	Method	AAT/NAP
Start	9013	End	15366
GI	4680203	Score	3206
Exons	9013..10657, 10811..11038, 11315..11930, 15002..15366		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o4.tw	Method	TBLASTX:Wheat
Start	9343	End	9700
GI	none	Score	104
Exons	9343..9450, 9433..9684, 9441..9683, 9443..9700		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	9615	End	10044
GI	none	Score	88
Exons	9615..9701, 9616..9690, 9748..10044, 9802..10026		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o2.tc	Method	TBLASTX:Cress
Start	9777	End	10125
GI	none	Score	304
Exons	9777..9929, 9793..10125, 9969..10106		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090

Name	OJ000118_06.0222.C12.o2.tw	Method	TBLASTX:Wheat
Start	9913	End	10382
GI	none	Score	72
Exons	9913..9966, 9921..9965, 9967..10071, 9978..10067, 10075..10173, 10080..10172, 10083..10175, 10153..10377, 10174..10377, 10176..10382		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	9958	End	10413
GI	none	Score	244
Exons	9958..10212, 9970..10212, 10222..10413		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o3.tw	Method	TBLASTX:Wheat
Start	10513	End	10923
GI	none	Score	87
Exons	10513..10563, 10514..10576, 10562..10804, 10582..10764, 10832..10921, 10837..10923, 10838..10921		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	10924	End	15312
GI	none	Score	847
Exons	10924..11811, 10925..11842, 11132..11827, 11837..11881, 11840..11881, 11884..11919, 11888..11926, 15019..15129, 15024..15137, 15025..15138, 15151..15231, 15220..15312, 15224..15295		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o2.tm	Method	TBLASTX:Maize
Start	10967	End	11281
GI	none	Score	300
Exons	10967..11281, 10978..11253, 11051..11281		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o1.tc	Method	TBLASTX:Cress
Start	11212	End	11659
GI	none	Score	143
Exons	11212..11649, 11212..11655, 11216..11659, 11222..11659		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o4.gp	Method	AAT/GAP
Start	12001	End	16090
GI	342_1.R1084	Score	2062

Exons	12001..12026, 14997..16090		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6307	Seq. ID	OJ000118_06.0222.C12
Gene No.	13265	Strand	+
Start	8542	End	16090
Name	OJ000118_06.0222.C12.o3.gs	Method	GENSCAN
Start	13593	End	15387
GI	none	Score	.42
Exons	13593..14166, 14200..14329, 15024..15387		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13266	Strand	+
Start	86	End	253
Name	OJ000118_06.0222.C13.o1.gs	Method	GENSCAN
Start	86	End	253
GI	none	Score	1
Exons	86..253		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13267	Strand	+
Start	987	End	4702
Name	OJ000118_06.0222.C13.o2.np	Method	AAT/NAP
Start	972	End	4702
GI	4680204	Score	1002
Exons	972..2408, 2504..3603, 3715..3888, 3985..4114, 4479..4702		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13267	Strand	+
Start	987	End	4702
Name	OJ000118_06.0222.C13.o2.gs	Method	GENSCAN
Start	987	End	4693
GI	none	Score	.81
Exons	987..1647, 1864..2243, 2289..2408, 2504..2645, 2771..2916, 2918..3603, 3715..3888, 3985..4074, 4182..4254, 4357..4455, 4535..4693		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13267	Strand	+
Start	987	End	4702
Name	OJ000118_06.0222.C13.o1.gp	Method	AAT/GAP
Start	3025	End	3503
GI	uC-osf1cyp176f10b1	Score	862
Exons	3025..3503		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13268	Strand	+
Start	5009	End	5152
Name	OJ000118_06.0222.C13.o3.gp	Method	AAT/GAP
Start	5009	End	5152
GI	21474_1.R1084	Score	235
Exons	5009..5152		

GI Descrip. '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13269	Strand	-
Start	4808	End	4912
Name	OJ000118_06.0222.C13.o1.tw	Method	TBLASTX:Wheat
Start	1617	End	2018
GI	none	Score	196
Exons	1617..1850, 1617..1766, 1718..1885, 1848..2018, 1923..2018		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13269	Strand	-
Start	4808	End	4912
Name	OJ000118_06.0222.C13.o2.tw	Method	TBLASTX:Wheat
Start	2019	End	2716
GI	none	Score	61
Exons	2019..2099, 2337..2414, 2495..2716, 2497..2589		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13269	Strand	-
Start	4808	End	4912
Name	OJ000118_06.0222.C13.o3.tw	Method	TBLASTX:Wheat
Start	3530	End	4054
GI	none	Score	58
Exons	3530..3610, 3701..3883, 3751..3876, 3983..4054		

Seq. No.	6308	Seq. ID	OJ000118_06.0222.C13
Gene No.	13269	Strand	-
Start	4808	End	4912
Name	OJ000118_06.0222.C13.o2.gp	Method	AAT/GAP
Start	4808	End	4912
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	4808..4912		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13270	Strand	+
Start	978	End	7255
Name	OJ000118_06.0222.C14.o1.gs	Method	GENSCAN
Start	978	End	7020
GI	none	Score	.83
Exons	978..1576, 2953..3184, 3496..3617, 4019..4114, 4203..4403, 4488..4647, 4738..4964, 5046..5106, 5245..5321, 5406..5495, 5592..5735, 5818..6132, 6360..6560, 6715..7020		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13270	Strand	+
Start	978	End	7255
Name	OJ000118_06.0222.C14.o1.np	Method	AAT/NAP
Start	1199	End	7073
GI	4741190	Score	2873
Exons	1199..1576, 2953..3184, 3418..3587, 3663..3848, 4019..4114, 4203..4403, 4488..4647, 4738..4964, 5046..5163, 5245..5321, 5406..5495, 5592..6132, 6219..6299, 6384..6560, 6766..7073		

GI Descrip.	(AL049746) ABC-type transport-like protein [Arabidopsis thaliana]		
Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13270	Strand	+
Start	978	End	7255
Name	OJ000118_06.0222.C14.o1.gp	Method	AAT/GAP
Start	4577	End	5090
GI	2309848	Score	631
Exons	4577..4647, 4738..4964, 5046..5090		
GI Descrip.	4741190/emb|CAB41856.1| 6.0e-30 (AL049746) ABC-type transport-like protein [Arabidopsis thaliana]		
Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13270	Strand	+
Start	978	End	7255
Name	OJ000118_06.0222.C14.o2.gp	Method	AAT/GAP
Start	6925	End	7255
GI	none	Score	636
Exons	6925..7255		
Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13271	Strand	+
Start	7816	End	8054
Name	OJ000118_06.0222.C14.o3.gp	Method	AAT/GAP
Start	7816	End	8054
GI	4715358	Score	445
Exons	7816..8054		
Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13272	Strand	+
Start	16294	End	16752
Name	OJ000118_06.0222.C14.o5.gp	Method	AAT/GAP
Start	16294	End	16752
GI	2311271	Score	882
Exons	16294..16752		
Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13273	Strand	-
Start	8146	End	10636
Name	OJ000118_06.0222.C14.o2.np	Method	AAT/NAP
Start	8146	End	10483
GI	4538913	Score	232
Exons	8146..8466, 8665..8745, 10319..10483		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		
Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13273	Strand	-
Start	8146	End	10636
Name	OJ000118_06.0222.C14.o4.gp	Method	AAT/GAP
Start	10343	End	10636
GI	none	Score	510
Exons	10343..10636		
Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844

Name	OJ000118_06.0222.C14.o4.tc	Method	TBLASTX:Cress
Start	1199	End	1528
GI	none	Score	72
Exons	1199..1288, 1321..1482, 1352..1528		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o3.ts	Method	TBLASTX:Soybean
Start	1208	End	3551
GI	none	Score	72
Exons	1208..1288, 1324..1482, 1346..1483, 1522..1578, 1523..1579, 2946..3128, 2947..3183, 3411..3551, 3416..3550		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o3.tm	Method	TBLASTX:Maize
Start	1412	End	3569
GI	none	Score	133
Exons	1412..1483, 1414..1482, 1510..1578, 1511..1582, 2950..3183, 2950..3183, 2951..3184, 2960..3196, 3411..3569, 3416..3568		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o2.tm	Method	TBLASTX:Maize
Start	4045	End	4529
GI	none	Score	106
Exons	4045..4110, 4051..4116, 4176..4403, 4178..4405, 4194..4403, 4201..4416, 4479..4529		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o1.tc	Method	TBLASTX:Cress
Start	4290	End	4955
GI	none	Score	90
Exons	4290..4370, 4488..4646, 4488..4619, 4490..4696, 4490..4633, 4731..4955, 4736..4954		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o2.ts	Method	TBLASTX:Soybean
Start	4305	End	4928
GI	none	Score	112
Exons	4305..4403, 4316..4405, 4478..4639, 4479..4646, 4489..4647, 4490..4648, 4731..4928, 4736..4927		

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o1.ts	Method	TBLASTX:Soybean
Start	5043	End	6990
GI	none	Score	191
Exons	5043..5162, 5044..5133, 5045..5161, 5213..5320, 5244..5333,		

5402..5494, 5403..5498, 5592..5735, 5644..5733, 5666..5734,
5810..5881, 5813..6010, 5814..6056, 5817..6068, 5818..6063,
5912..6064, 6222..6299, 6365..6553, 6372..6563, 6387..6563,
6736..6990, 6762..6941

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o1.tm	Method	TBLASTX:Maize
Start	5142	End	7086
GI	none	Score	40

Exons 5142..5168, 5142..5162, 5240..5314, 5240..5320, 5244..5333,
5403..5498, 5403..5498, 5592..5735, 5592..5735, 5804..6130,
5817..6131, 5818..6132, 5891..6133, 6216..6299, 6217..6300,
6219..6326, 6379..6546, 6383..6547, 6384..6563, 6387..6563,
6736..7005, 6757..7005, 6759..7016, 7027..7086

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o3.tc	Method	TBLASTX:Cress
Start	5896	End	6293
GI	none	Score	205

Exons 5896..6063, 5898..6044, 6216..6293

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o2.tc	Method	TBLASTX:Cress
Start	6473	End	6933
GI	none	Score	100

Exons 6473..6553, 6474..6563, 6736..6933, 6763..6888, 6765..6911

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o4.tm	Method	TBLASTX:Maize
Start	8128	End	10517
GI	none	Score	75

Exons 8128..8196, 8129..8197, 8158..8325, 8171..8326, 8287..8466,
8327..8479, 8656..8745, 8657..8746, 8666..8746, 10316..10423,
10319..10423, 10467..10517

Seq. No.	6309	Seq. ID	OJ000118_06.0222.C14
Gene No.	13274	Strand	-
Start	15888	End	20844
Name	OJ000118_06.0222.C14.o3.gs	Method	GENSCAN
Start	15888	End	20844
GI	none	Score	.9

Exons 15888..16124, 16234..16512, 20340..20416, 20775..20844

Seq. No.	6310	Seq. ID	OJ000118_06.0222.C16
Gene No.	13275	Strand	
Start	3270	End	3702
Name	OJ000118_06.0222.C16.o2.tm	Method	TBLASTX:Maize
Start	3270	End	3702
GI	none	Score	76

Exons	3270..3326, 3271..3354, 3409..3702, 3507..3701		
Seq. No.	6310	Seq. ID	OJ000118_06.0222.C16
Gene No.	13276	Strand	
Start	3802	End	4234
Name	OJ000118_06.0222.C16.o1.tm	Method	TBLASTX:Maize
Start	3802	End	4234
GI	none	Score	76
Exons	3802..3861, 3856..3969, 3919..4035, 3920..4066, 4046..4123, 4067..4234, 4067..4108, 4117..4224		
Seq. No.	6310	Seq. ID	OJ000118_06.0222.C16
Gene No.	13276	Strand	
Start	3802	End	4234
Name	OJ000118_06.0222.C16.o1.tw	Method	TBLASTX:Wheat
Start	3841	End	4234
GI	none	Score	96
Exons	3841..3939, 3919..3996, 3929..4057, 4054..4143, 4055..4177, 4181..4234		
Seq. No.	6311	Seq. ID	OJ000118_06.0222.C17
Gene No.	13277	Strand	+
Start	310	End	636
Name	OJ000118_06.0222.C17.o1.gs	Method	GENSCAN
Start	310	End	636
GI	none	Score	.58
Exons	310..348, 514..636		
Seq. No.	6311	Seq. ID	OJ000118_06.0222.C17
Gene No.	13278	Strand	+
Start	1859	End	2574
Name	OJ000118_06.0222.C17.o2.gs	Method	GENSCAN
Start	1859	End	2574
GI	none	Score	.7
Exons	1859..1926, 2064..2574		
Seq. No.	6311	Seq. ID	OJ000118_06.0222.C17
Gene No.	13279	Strand	-
Start	3366	End	5579
Name	OJ000118_06.0222.C17.o3.gs	Method	GENSCAN
Start	3366	End	5579
GI	none	Score	.6
Exons	3366..3417, 3875..3971, 4053..4172, 4500..4533, 5388..5579		
Seq. No.	6312	Seq. ID	OJ000118_06.0222.C18
Gene No.	13280	Strand	+
Start	752	End	988
Name	OJ000118_06.0222.C18.o1.gs	Method	GENSCAN
Start	752	End	988
GI	none	Score	.69
Exons	752..835, 887..988		
Seq. No.	6312	Seq. ID	OJ000118_06.0222.C18
Gene No.	13281	Strand	+
Start	4768	End	6497
Name	OJ000118_06.0222.C18.o2.gs	Method	GENSCAN
Start	4768	End	6497

GI	none	Score	.81
Exons	4768..6497		

Seq. No.	6312	Seq. ID	OJ000118_06.0222.C18
Gene No.	13281	Strand	+
Start	4768	End	6497
Name	OJ000118_06.0222.C18.o1.tm	Method	TBLASTX:Maize
Start	5950	End	6402
GI	none	Score	113
Exons	5950..6078, 6154..6402		

Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o1.np	Method	AAT/NAP
Start	1	End	1318
GI	6466937	Score	1132
Exons	1..1318		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o1.tw	Method	TBLASTX:Wheat
Start	171	End	617
GI	none	Score	389
Exons	171..617, 239..583		

Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o2.ts	Method	TBLASTX:Soybean
Start	171	End	485
GI	none	Score	237
Exons	171..485, 197..361		

Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o2.tm	Method	TBLASTX:Maize
Start	187	End	671
GI	none	Score	139
Exons	187..594, 188..646, 195..671, 200..658		

Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o1.tc	Method	TBLASTX:Cress
Start	264	End	587
GI	none	Score	192
Exons	264..587		

Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o1.ts	Method	TBLASTX:Soybean

Start	594	End	953
GI	none	Score	295
Exons	594..953		

Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o2.tw	Method	TBLASTX:Wheat
Start	666	End	1067
GI	none	Score	300
Exons	666..1067		

Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o1.tm	Method	TBLASTX:Maize
Start	695	End	1232
GI	none	Score	635
Exons	695..1141, 696..1232		

Seq. No.	6313	Seq. ID	OJ000118_06.0222.C19
Gene No.	13282	Strand	+
Start	1	End	1318
Name	OJ000118_06.0222.C19.o3.ts	Method	TBLASTX:Soybean
Start	977	End	1232
GI	none	Score	198
Exons	977..1126, 978..1232		

Seq. No.	6314	Seq. ID	OJ000118_06.0222.C21
Gene No.	13283	Strand	-
Start	4	End	912
Name	OJ000118_06.0222.C21.o1.np	Method	AAT/NAP
Start	4	End	912
GI	3810596	Score	635
Exons	4..912		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6314	Seq. ID	OJ000118_06.0222.C21
Gene No.	13283	Strand	-
Start	4	End	912
Name	OJ000118_06.0222.C21.o1.tm	Method	TBLASTX:Maize
Start	11	End	645
GI	none	Score	58
Exons	11..157, 12..140, 202..645, 239..631		

Seq. No.	6314	Seq. ID	OJ000118_06.0222.C21
Gene No.	13283	Strand	-
Start	4	End	912
Name	OJ000118_06.0222.C21.o1.tw	Method	TBLASTX:Wheat
Start	167	End	538
GI	none	Score	127
Exons	167..538, 187..537		

Seq. No.	6314	Seq. ID	OJ000118_06.0222.C21
Gene No.	13283	Strand	-
Start	4	End	912

Name	OJ000118_06.0222.C21.o2.tw	Method	TBLASTX:Wheat
Start	598	End	901
GI	none	Score	95
Exons	598..900, 599..901		

Seq. No.	6314	Seq. ID	OJ000118_06.0222.C21
Gene No.	13283	Strand	-
Start	4	End	912
Name	OJ000118_06.0222.C21.o2.tm	Method	TBLASTX:Maize
Start	646	End	912
GI	none	Score	223
Exons	646..912, 647..910		

Seq. No.	6315	Seq. ID	OJ000118_06.0222.C22
Gene No.	13284	Strand	-
Start	143	End	549
Name	OJ000118_06.0222.C22.o1.gs	Method	GENSCAN
Start	143	End	549
GI	none	Score	.89
Exons	143..276, 432..549		

Seq. No.	6316	Seq. ID	OJ000118_02.0222.C1
Gene No.	13285	Strand	-
Start	869	End	2515
Name	OJ000118_02.0222.C1.o1.gs	Method	GENSCAN
Start	869	End	2515
GI	none	Score	.84
Exons	869..1031, 1911..1981, 2414..2515		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13286	Strand	+
Start	9029	End	9554
Name	OJ000118_02.0222.C2.o1.gp	Method	AAT/GAP
Start	9029	End	9554
GI	5607577	Score	1021
Exons	9029..9554		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o1.gs	Method	GENSCAN
Start	169	End	7068
GI	none	Score	.83
Exons	169..374, 670..902, 1023..1153, 1705..1736, 1833..1927, 2023..2096, 2201..2336, 2432..2495, 2575..2637, 2722..2861, 3308..3429, 3513..3678, 3760..3879, 4145..4216, 4305..4412, 4604..4720, 4799..4937, 5343..5500, 5572..5681, 5772..5868, 6043..6154, 6239..6444, 6844..6875, 7011..7068		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o1.np	Method	AAT/NAP
Start	984	End	6444
GI	4510428	Score	1763
Exons	984..1153, 1705..1736, 1833..1927, 2023..2096, 2201..2336, 2432..2495, 2575..2637, 2722..2861, 3050..3188, 3308..3429,		

3513..3560, 3588..3678, 3760..3879, 4145..4216, 4305..4412,
4604..4720, 4799..4937, 5394..5500, 5572..5681, 5772..5905,
6001..6154, 6239..6444

GI Descrip. (AC006929) Argonaute (AGO1)-like protein [Arabidopsis thaliana]

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o1.tc	Method	TBLASTX:Cress
Start	1706	End	6444
GI	none	Score	73
Exons	1706..1738, 1829..1948, 1830..1934, 1835..1948, 2021..2095, 2023..2097, 2027..2098, 2199..2339, 2200..2343, 2260..2340, 2430..2501, 2432..2509, 2439..2504, 2574..2639, 2575..2637, 2719..2871, 2730..2861, 3047..3097, 3087..3140, 3147..3215, 3305..3430, 3306..3413, 3541..3678, 3760..3801, 3802..3882, 3830..3880, 4139..4258, 4139..4216, 4296..4466, 4297..4386, 4556..4726, 4632..4721, 4791..4850, 4796..4936, 4878..4982, 5390..5506, 5569..5691, 5576..5683, 5768..5830, 5773..5904, 6040..6156, 6242..6358, 6256..6444, 6281..6361		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	1706	End	5844
GI	none	Score	68
Exons	1706..1738, 1826..1945, 1835..1948, 2021..2086, 2022..2087, 2023..2097, 2027..2098, 2199..2339, 2200..2337, 2263..2340, 2419..2502, 2430..2501, 2432..2509, 2574..2639, 2722..2742, 2731..2862, 2751..2897, 3032..3097, 3036..3083, 3087..3140, 3091..3183, 3147..3215, 3305..3346, 3306..3344, 3345..3431, 3347..3430, 3517..3558, 3760..3801, 3826..3882, 3827..3880, 4139..4219, 4140..4238, 4296..4415, 4297..4371, 4541..4726, 4617..4721, 4796..4936, 4799..4936, 5390..5506, 5567..5683, 5569..5700, 5770..5841, 5770..5844		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o1.ts	Method	TBLASTX:Soybean
Start	1706	End	3134
GI	none	Score	69
Exons	1706..1738, 1812..1928, 1830..1931, 1835..1948, 1837..1929, 2021..2077, 2022..2075, 2023..2097, 2024..2098, 2199..2339, 2202..2342, 2432..2509, 2433..2510, 2574..2639, 2722..2871, 2745..2861, 3047..3097, 3087..3134		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o4.ts	Method	TBLASTX:Soybean
Start	3305	End	4415
GI	none	Score	110
Exons	3305..3430, 3306..3431, 3517..3558, 3610..3678, 3760..3801, 3802..3882, 4139..4216, 4140..4238, 4296..4415, 4297..4413		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o2.ts	Method	TBLASTX:Soybean
Start	4592	End	5904
GI	none	Score	80
Exons	4592..4726, 4593..4721, 4791..4850, 4796..4936, 4878..4946, 5390..5506, 5567..5683, 5569..5691, 5773..5904, 5776..5847		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o3.ts	Method	TBLASTX:Soybean
Start	6040	End	6445
GI	none	Score	64
Exons	6040..6156, 6059..6157, 6253..6444, 6281..6445		

Seq. No.	6317	Seq. ID	OJ000118_02.0222.C2
Gene No.	13287	Strand	-
Start	169	End	7068
Name	OJ000118_02.0222.C2.o2.tm	Method	TBLASTX:Maize
Start	6043	End	6432
GI	none	Score	74
Exons	6043..6150, 6053..6151, 6060..6167, 6256..6432, 6275..6361		

Seq. No.	6318	Seq. ID	OJ000118_02.0222.C3
Gene No.	13288	Strand	-
Start	583	End	1427
Name	OJ000118_02.0222.C3.o1.gs	Method	GENSCAN
Start	583	End	1427
GI	none	Score	.79
Exons	583..1055, 1223..1244, 1353..1427		

Seq. No.	6319	Seq. ID	OJ000118_02.0222.C4
Gene No.	13289	Strand	-
Start	1846	End	1924
Name	OJ000118_02.0222.C4.o1.gp	Method	AAT/GAP
Start	1846	End	1924
GI	90742_1.R1084	Score	97
Exons	1846..1924		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13290	Strand	+
Start	1186	End	6178
Name	OJ000118_02.0222.C5.o1.gs	Method	GENSCAN
Start	1186	End	5864
GI	none	Score	.83
Exons	1186..1267, 3383..3683, 3783..4854, 5606..5683, 5775..5864		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13290	Strand	+
Start	1186	End	6178
Name	OJ000118_02.0222.C5.o1.gp	Method	AAT/GAP
Start	4227	End	4824
GI	11249_1.R1084	Score	1132

Exons	4227..4824		
GI Descrip.	'3790587 5.0e-24 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]'		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13290	Strand	+
Start	1186	End	6178
Name	OJ000118_02.0222.C5.o2.gp	Method	AAT/GAP
Start	5732	End	6178
GI	3768571	Score	749
Exons	5732..6178		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13291	Strand	+
Start	7262	End	7726
Name	OJ000118_02.0222.C5.o2.gs	Method	GENSCAN
Start	7262	End	7726
GI	none	Score	.58
Exons	7262..7374, 7666..7726		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13292	Strand	+
Start	11779	End	16367
Name	OJ000118_02.0222.C5.o1.np	Method	AAT/NAP
Start	11779	End	15117
GI	1899175	Score	1830
Exons	11779..12579, 13432..13572, 13659..13814, 13908..14023, 14106..14273, 14699..14923, 15001..15117		
GI Descrip.	(U90262) calcium-dependent calmodulin-independent protein kinase CDPK [Cucurbita pepo]		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13292	Strand	+
Start	11779	End	16367
Name	OJ000118_02.0222.C5.o4.gs	Method	GENSCAN
Start	13326	End	16367
GI	none	Score	.74
Exons	13326..13332, 13432..13575, 13662..13814, 13908..14023, 14106..14273, 14699..14923, 15001..15119, 16166..16367		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13293	Strand	+
Start	19999	End	23164
Name	OJ000118_02.0222.C5.o2.np	Method	AAT/NAP
Start	19989	End	22766
GI	3790587	Score	792
Exons	19989..20130, 20229..20275, 21473..21535, 21609..21717, 21820..22182, 22287..22384, 22469..22766		
GI Descrip.	(AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13293	Strand	+
Start	19999	End	23164
Name	OJ000118_02.0222.C5.o5.gs	Method	GENSCAN
Start	19999	End	22769
GI	none	Score	.7
Exons	19999..20228, 21007..21025, 21473..21535, 21820..22187,		

22277..22384, 22469..22769

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13293	Strand	+
Start	19999	End	23164
Name	OJ000118_02.0222.C5.o3.gp	Method	AAT/GAP
Start	21466	End	21924
GI	569794	Score	502
Exons	21466..21535, 21609..21708, 21820..21924		
GI Descrip.	3790587 5.0e-24 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13293	Strand	+
Start	19999	End	23164
Name	OJ000118_02.0222.C5.o4.gp	Method	AAT/GAP
Start	22588	End	23164
GI	uC-osflcyp178d09a1	Score	868
Exons	22588..22814, 22940..23164		
GI Descrip.	'3790587 5.0e-24 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]'		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13294	Strand	+
Start	23717	End	24361
Name	OJ000118_02.0222.C5.o6.gs	Method	GENSCAN
Start	23717	End	24361
GI	none	Score	.89
Exons	23717..24361		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o3.tm	Method	TBLASTX:Maize
Start	4129	End	20130
GI	none	Score	321
Exons	4129..4377, 4177..4299, 4357..4377, 4430..4447, 4464..4502, 4471..4503, 4630..4686, 4667..4732, 4796..4819, 20032..20130		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o5.tm	Method	TBLASTX:Maize
Start	4509	End	6164
GI	none	Score	77
Exons	4509..4592, 4513..4611, 4598..4627, 4735..4794, 5616..5684, 5622..5681, 5636..5692, 5636..5692, 5769..5876, 5772..5876, 5774..5878, 5780..5878, 5998..6063, 6002..6064, 6011..6064, 6039..6104, 6077..6106, 6106..6162, 6108..6164, 6109..6150, 6110..6163		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o3.gs	Method	GENSCAN
Start	8213	End	12938
GI	none	Score	.52

Exons	8213..8797, 9891..10024, 10132..10288, 11185..11215, 11452..12110, 12162..12623, 12903..12938		
Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o1.tc	Method	TBLASTX:Cress
Start	12033	End	15062
GI	none	Score	48
Exons	12033..12083, 12092..12286, 12093..12578, 12362..12577, 13426..13593, 13433..13597, 13434..13571, 13657..13815, 13658..13816, 13895..14020, 13904..14026, 13909..14028, 14094..14318, 14094..14270, 14699..14932, 14702..14884, 14998..15051, 15000..15062		
Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	12093	End	15092
GI	none	Score	606
Exons	12093..12581, 12107..12580, 12336..12581, 13430..13594, 13431..13571, 13448..13573, 13657..13806, 13658..13813, 13904..14026, 13912..14028, 14094..14333, 14094..14282, 14691..14918, 14699..14923, 14702..14872, 14703..14891, 15000..15092, 15001..15090		
Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o2.tw	Method	TBLASTX:Wheat
Start	12243	End	12530
GI	none	Score	396
Exons	12243..12530, 12260..12295, 12336..12530		
Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	12246	End	14761
GI	none	Score	87
Exons	12246..12299, 12260..12289, 12312..12371, 12339..12398, 12393..12410, 12396..12581, 12416..12580, 12420..12593, 13430..13597, 13431..13571, 13436..13573, 13657..13815, 13658..13816, 13895..14026, 13903..14028, 13904..14026, 14093..14143, 14094..14282, 14094..14270, 14698..14757, 14699..14761		
Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o3.tw	Method	TBLASTX:Wheat
Start	12531	End	16422
GI	none	Score	88
Exons	12531..12581, 12533..12592, 13430..13588, 13431..13571, 13496..13573, 13594..13812, 13658..13813, 16333..16422		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o1.tw	Method	TBLASTX:Wheat
Start	14184	End	15117
GI	none	Score	101
Exons	14184..14318, 14699..14932, 14703..14924, 15000..15113, 15001..15117		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o2.tm	Method	TBLASTX:Maize
Start	14762	End	15191
GI	none	Score	282
Exons	14762..14932, 14762..14887, 14763..14939, 14998..15126, 15000..15191, 15001..15123		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o2.ts	Method	TBLASTX:Soybean
Start	20002	End	22634
GI	none	Score	190
Exons	20002..20133, 20034..20141, 20160..20276, 20215..20277, 20229..20276, 21459..21530, 21471..21527, 21473..21538, 21607..21720, 21642..21716, 21820..21867, 21822..21890, 22143..22202, 22271..22387, 22275..22385, 22461..22628, 22466..22624, 22488..22634		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o2.tc	Method	TBLASTX:Cress
Start	20005	End	22636
GI	none	Score	174
Exons	20005..20133, 20034..20153, 20161..20277, 20229..20276, 20231..20278, 21459..21530, 21473..21535, 21607..21720, 21611..21721, 21639..21716, 21820..21867, 21835..21972, 21837..21887, 21879..21920, 22250..22387, 22287..22385, 22461..22631, 22466..22636		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o4.tm	Method	TBLASTX:Maize
Start	20160	End	22720
GI	none	Score	86
Exons	20160..20276, 20222..20278, 20229..20276, 21459..21530, 21473..21535, 21473..21535, 21607..21720, 21687..21716, 21814..21963, 21834..21947, 22310..22387, 22311..22385, 22323..22388, 22467..22631, 22469..22654, 22470..22661, 22703..22720		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724

Name	OJ000118_02.0222.C5.o5.tw	Method	TBLASTX:Wheat
Start	21619	End	21936
GI	none	Score	131
Exons	21619..21720, 21620..21721, 21687..21716, 21820..21867, 21823..21936, 21825..21935		

Seq. No.	6320	Seq. ID	OJ000118_02.0222.C5
Gene No.	13295	Strand	-
Start	8213	End	22724
Name	OJ000118_02.0222.C5.o4.tw	Method	TBLASTX:Wheat
Start	22455	End	22724
GI	none	Score	286
Exons	22455..22724, 22459..22545, 22460..22723		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13296	Strand	+
Start	48	End	15011
Name	OJ000118_02.0222.C6.o1.gs	Method	GENSCAN
Start	48	End	12102
GI	none	Score	.53
Exons	48..783, 3335..3589, 4276..4491, 4597..4803, 5377..5470, 7953..8025, 8706..8810, 9001..11226, 11290..12102		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13296	Strand	+
Start	48	End	15011
Name	OJ000118_02.0222.C6.o1.np	Method	AAT/NAP
Start	9372	End	15011
GI	6498441	Score	6973
Exons	9372..10432, 10763..11226, 11290..11663, 11847..11981, 12157..12583, 12776..13072, 13244..14641, 14730..15011		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13296	Strand	+
Start	48	End	15011
Name	OJ000118_02.0222.C6.o2.gs	Method	GENSCAN
Start	12662	End	14974
GI	none	Score	.96
Exons	12662..14974		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	604
GI	none	Score	98
Exons	2..82, 3..62, 50..133, 51..134, 140..595, 141..596, 500..604		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	596
GI	none	Score	85

Exons	2..58, 3..59, 51..134, 131..589, 132..593, 270..596		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o1.tc	Method	TBLASTX:Cress
Start	156	End	596
GI	none	Score	647
Exons	156..596, 161..595		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o2.tw	Method	TBLASTX:Wheat
Start	305	End	19080
GI	none	Score	446
Exons	305..583, 306..581, 18933..18971, 19042..19080		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o7.tw	Method	TBLASTX:Wheat
Start	9360	End	9912
GI	none	Score	34
Exons	9360..9395, 9520..9567, 9574..9672, 9579..9671, 9639..9878, 9655..9912		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o5.tm	Method	TBLASTX:Maize
Start	9525	End	9810
GI	none	Score	197
Exons	9525..9809, 9562..9810		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o4.tw	Method	TBLASTX:Wheat
Start	9920	End	13378
GI	none	Score	234
Exons	9920..9973, 12920..13168, 12944..13195, 13009..13194, 13229..13378, 13240..13377		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o3.tw	Method	TBLASTX:Wheat
Start	10647	End	11133
GI	none	Score	412
Exons	10647..10820, 10648..11133, 10842..11102		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o1.tw	Method	TBLASTX:Wheat
Start	11297	End	11760

GI	none	Score	198
Exons	11297..11740, 11298..11753, 11299..11760, 11299..11754		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o4.ts	Method	TBLASTX:Soybean
Start	11338	End	11703
GI	none	Score	120
Exons	11338..11562, 11569..11703		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o2.tm	Method	TBLASTX:Maize
Start	11428	End	11784
GI	none	Score	392
Exons	11428..11784, 11463..11774, 11479..11784		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o5.tw	Method	TBLASTX:Wheat
Start	11761	End	12072
GI	none	Score	341
Exons	11761..12072, 11769..12059		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o3.tm	Method	TBLASTX:Maize
Start	11811	End	12196
GI	none	Score	277
Exons	11811..12089, 11812..12090, 12002..12196		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o2.ts	Method	TBLASTX:Soybean
Start	11947	End	12319
GI	none	Score	155
Exons	11947..12093, 11964..12089, 12089..12319		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o9.tw	Method	TBLASTX:Wheat
Start	12083	End	12372
GI	none	Score	238
Exons	12083..12370, 12088..12177, 12214..12372		

Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o3.ts	Method	TBLASTX:Soybean
Start	13067	End	13633
GI	5666795	Score	68

Exons	13067..13165, 13241..13378, 13433..13633		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o10.tw	Method	TBLASTX:Wheat
Start	13381	End	13693
GI	none	Score	190
Exons	13381..13557, 13394..13582, 13433..13693		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o4.tm	Method	TBLASTX:Maize
Start	13886	End	17770
GI	none	Score	236
Exons	13886..14107, 13903..14196, 14006..14218, 14032..14181, 14156..14209, 17570..17653, 17726..17770		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o6.tw	Method	TBLASTX:Wheat
Start	14023	End	14404
GI	none	Score	321
Exons	14023..14079, 14024..14404, 14027..14365, 14128..14373		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o8.tw	Method	TBLASTX:Wheat
Start	14405	End	17758
GI	none	Score	266
Exons	14405..14743, 14407..14802, 14410..14688, 14876..14998, 14877..15002, 17657..17758		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o6.tm	Method	TBLASTX:Maize
Start	14871	End	15014
GI	none	Score	184
Exons	14871..15014, 14876..15010		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o3.gs	Method	GENSCAN
Start	15634	End	18774
GI	none	Score	.86
Exons	15634..18774		
Seq. No.	6321	Seq. ID	OJ000118_02.0222.C6
Gene No.	13297	Strand	-
Start	15634	End	19080
Name	OJ000118_02.0222.C6.o2.np	Method	AAT/NAP

Start	15637	End	18774
GI	6907089	Score	4520
Exons	15637..18774		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13298	Strand	+
Start	938	End	4245
Name	OJ000118_02.0222.C7.o1.np	Method	AAT/NAP
Start	938	End	2437
GI	4510383	Score	1512
Exons	938..1037, 1095..2437		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13298	Strand	+
Start	938	End	4245
Name	OJ000118_02.0222.C7.o1.gs	Method	GENSCAN
Start	942	End	4234
GI	none	Score	.8
Exons	942..2292, 4215..4234		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13298	Strand	+
Start	938	End	4245
Name	OJ000118_02.0222.C7.o1.gp	Method	AAT/GAP
Start	957	End	1406
GI	35760_1.R1084	Score	780
Exons	957..1406		
GI Descrip.	'4510383/gb|AAD21471.1| 2.0e-28 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13298	Strand	+
Start	938	End	4245
Name	OJ000118_02.0222.C7.o2.gp	Method	AAT/GAP
Start	2238	End	4245
GI	none	Score	822
Exons	2238..2292, 3861..4245		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o3.tc	Method	TBLASTX:Cress
Start	1095	End	1627
GI	none	Score	316
Exons	1095..1367, 1199..1336, 1434..1601, 1445..1609, 1599..1619, 1601..1627		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o3.tm	Method	TBLASTX:Maize
Start	1137	End	5384
GI	none	Score	377
Exons	1137..1427, 1191..1274, 1199..1381, 1410..1535, 1442..1537, 1490..1537, 5202..5384		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o1.tw	Method	TBLASTX:Wheat
Start	1214	End	1583
GI	none	Score	297
Exons	1214..1381, 1215..1421, 1410..1583, 1442..1582		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o1.ts	Method	TBLASTX:Soybean
Start	1251	End	2210
GI	none	Score	149
Exons	1251..1361, 1410..1619, 1445..1627, 1672..1713, 1672..1713, 1688..1780, 1736..2209, 1737..2210		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o1.tm	Method	TBLASTX:Maize
Start	1538	End	2296
GI	none	Score	131
Exons	1538..1627, 1539..1619, 1575..1679, 1577..1795, 1672..1722, 1687..1719, 1730..2296, 1737..2294		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o1.tc	Method	TBLASTX:Cress
Start	1758	End	2213
GI	none	Score	692
Exons	1758..2213, 1763..2212		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o2.tw	Method	TBLASTX:Wheat
Start	1907	End	2185
GI	none	Score	457
Exons	1907..2185, 1908..2183		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o2.np	Method	AAT/NAP
Start	5726	End	7856
GI	3320104	Score	1257
Exons	5726..5798, 5906..6019, 6145..6369, 6482..6649, 6917..7032, 7156..7308, 7430..7632, 7803..7856		
GI Descrip.	(AJ007366) calcium-dependent protein kinase [Zea mays]		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o2.gs	Method	GENSCAN

Start	5888	End	7573
GI	none	Score	.96
Exons	5888..6019, 6145..6369, 6482..6649, 6917..7032, 7156..7308, 7430..7573		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o2.ts	Method	TBLASTX:Soybean
Start	5894	End	7207
GI	none	Score	72
Exons	5894..5962, 5948..6019, 5976..6020, 6145..6369, 6197..6370, 6303..6380, 6322..6387, 6482..6649, 6483..6647, 6485..6649, 6912..7028, 6920..7030, 6920..7030, 6924..7031, 7157..7207		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o3.tw	Method	TBLASTX:Wheat
Start	5895	End	6610
GI	none	Score	36
Exons	5895..5933, 5951..6019, 5952..6020, 6145..6369, 6197..6370, 6322..6387, 6482..6571, 6483..6572, 6485..6610		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o2.tc	Method	TBLASTX:Cress
Start	5937	End	7584
GI	none	Score	73
Exons	5937..6020, 5975..6019, 6145..6369, 6197..6370, 6322..6387, 6482..6652, 6483..6650, 6485..6658, 6912..7028, 6914..7030, 6920..7030, 7151..7300, 7157..7312, 7170..7310, 7427..7558, 7431..7577, 7432..7584, 7432..7578		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o3.gp	Method	AAT/GAP
Start	5943	End	6299
GI	LIB3433-044-P1-K1-F12	Score	610
Exons	5943..6299		
GI Descrip.	'3320104/emb|CAA07481| 5.0e-14 (AJ007366) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o2.tm	Method	TBLASTX:Maize
Start	6157	End	6999
GI	none	Score	71
Exons	6157..6369, 6169..6231, 6191..6370, 6480..6599, 6481..6639, 6482..6652, 6483..6650, 6912..6992, 6914..6991, 6916..6999		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856

Name	OJ000118_02.0222.C7.o4.tm	Method	TBLASTX:Maize
Start	7157	End	7581
GI	none	Score	139
Exons	7157..7312, 7158..7310, 7416..7574, 7431..7577, 7432..7581		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o4.tw	Method	TBLASTX:Wheat
Start	7157	End	7584
GI	none	Score	87
Exons	7157..7312, 7158..7310, 7431..7577, 7432..7584		

Seq. No.	6322	Seq. ID	OJ000118_02.0222.C7
Gene No.	13299	Strand	-
Start	5888	End	7856
Name	OJ000118_02.0222.C7.o3.ts	Method	TBLASTX:Soybean
Start	7208	End	7581
GI	none	Score	110
Exons	7208..7312, 7215..7310, 7427..7555, 7431..7577, 7432..7581		

Seq. No.	6323	Seq. ID	OJ000118_02.0222.C8
Gene No.	13300	Strand	+
Start	58	End	2792
Name	OJ000118_02.0222.C8.o1.gs	Method	GENSCAN
Start	58	End	2792
GI	none	Score	.6
Exons	58..128, 266..282, 1000..1152, 1213..1952, 2154..2792		

Seq. No.	6323	Seq. ID	OJ000118_02.0222.C8
Gene No.	13301	Strand	-
Start	2955	End	7771
Name	OJ000118_02.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	506	End	2022
GI	none	Score	38
Exons	506..538, 509..571, 608..655, 610..654, 617..688, 644..700, 755..787, 857..985, 879..992, 880..993, 988..1053, 989..1120, 993..1127, 996..1121, 1113..1190, 1124..1189, 1125..1190, 1157..1276, 1173..1268, 1195..1269, 1281..1355, 1351..1482, 1359..1490, 1362..1490, 1446..1631, 1494..1538, 1500..1583, 1527..1643, 1533..1637, 1536..1643, 1548..1589, 1551..1628, 1587..1643, 1590..1643, 1593..1643, 1593..1787, 1638..1679, 1638..1700, 1638..1679, 1641..1679, 1644..1787, 1665..1808, 1683..1820, 1710..1733, 1716..1820, 1731..1835, 1731..1832, 1731..1829, 1737..1835, 1747..1821, 1752..1871, 1758..1874, 1758..1880, 1791..1898, 1800..1898, 1800..1898, 1800..1919, 1801..1833, 1807..1875, 1812..1934, 1853..1903, 1854..2006, 1861..1947, 1888..2022		

Seq. No.	6323	Seq. ID	OJ000118_02.0222.C8
Gene No.	13301	Strand	-
Start	2955	End	7771
Name	OJ000118_02.0222.C8.o3.np	Method	AAT/NAP
Start	2955	End	7771
GI	6119519	Score	147
Exons	2955..2990, 3997..4450, 4535..4619, 4954..5049, 5188..5462, 6201..6396, 6689..6766, 6907..6999, 7581..7771		

GI Descrip. (AC011560) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6323	Seq. ID	OJ000118_02.0222.C8
Gene No.	13301	Strand	-
Start	2955	End	7771
Name	OJ000118_02.0222.C8.o2.gs	Method	GENSCAN
Start	3338	End	6983
GI	none	Score	.93
Exons	3338..3829, 3921..4619, 4966..5082, 5188..5475, 6232..6400, 6946..6983		

Seq. No.	6323	Seq. ID	OJ000118_02.0222.C8
Gene No.	13301	Strand	-
Start	2955	End	7771
Name	OJ000118_02.0222.C8.o2.tm	Method	TBLASTX:Maize
Start	5186	End	6400
GI	none	Score	120
Exons	5186..5326, 5187..5357, 5187..5327, 5188..5328, 5298..5465, 5326..5463, 6224..6400, 6229..6399		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13302	Strand	+
Start	10417	End	12947
Name	OJ000118_02.0222.C9.o3.gs	Method	GENSCAN
Start	10417	End	11257
GI	none	Score	1
Exons	10417..10705, 10863..11257		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13302	Strand	+
Start	10417	End	12947
Name	OJ000118_02.0222.C9.o3.np	Method	AAT/NAP
Start	10549	End	12947
GI	118120	Score	93
Exons	10549..10637, 10924..11160, 11545..11578, 12925..12947		
GI Descrip.	CYSTEINE PROTEINASE EP-B 1 PRECURSOR gi|82385|pir||JQ1111 cysteine proteinase (EC 3.4.22.-) EP-B 1 precursor - barley gi|1146116 (U19359) cysteine proteinase EPB1 precursor [Hordeum vulgare]		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13302	Strand	+
Start	10417	End	12947
Name	OJ000118_02.0222.C9.o5.gs	Method	GENSCAN
Start	12698	End	12886
GI	none	Score	.92
Exons	12698..12886		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13303	Strand	+
Start	14286	End	16506
Name	OJ000118_02.0222.C9.o4.np	Method	AAT/NAP
Start	14286	End	16506
GI	6691716	Score	1845
Exons	14286..15174, 15372..15549, 15626..15726, 15805..15984, 16062..16249, 16324..16506		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13303	Strand	+
Start	14286	End	16506
Name	OJ000118_02.0222.C9.o6.gs	Method	GENSCAN
Start	14286	End	16249
GI	none	Score	.77
Exons	14286..15174, 15231..15549, 15626..15984, 16050..16249		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13304	Strand	-
Start	1301	End	3704
Name	OJ000118_02.0222.C9.o1.gs	Method	GENSCAN
Start	1301	End	3596
GI	none	Score	.93
Exons	1301..1408, 1565..1722, 3291..3392, 3494..3596		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13304	Strand	-
Start	1301	End	3704
Name	OJ000118_02.0222.C9.o1.np	Method	AAT/NAP
Start	1304	End	3584
GI	6671934	Score	332
Exons	1304..1408, 1565..1722, 3291..3392, 3494..3584		
GI Descrip.	(AC016795) unknown protein [Arabidopsis thaliana]		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13304	Strand	-
Start	1301	End	3704
Name	OJ000118_02.0222.C9.o1.gp	Method	AAT/GAP
Start	1320	End	3704
GI	54546_1.R1084	Score	936
Exons	1320..1408, 1565..1722, 3291..3392, 3494..3704		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13305	Strand	-
Start	6482	End	7257
Name	OJ000118_02.0222.C9.o2.np	Method	AAT/NAP
Start	6473	End	7257
GI	4510378	Score	401
Exons	6473..6709, 6755..6834, 6868..7043, 7211..7257		
GI Descrip.	(AC007017) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13305	Strand	-
Start	6482	End	7257
Name	OJ000118_02.0222.C9.o2.gs	Method	GENSCAN
Start	6482	End	7108
GI	none	Score	.7
Exons	6482..7108		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9

Gene No.	13306	Strand	-
Start	11541	End	12001
Name	OJ000118_02.0222.C9.o4.gs	Method	GENSCAN
Start	11541	End	12001
GI	none	Score	.6
Exons	11541..11603, 11897..12001		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13307	Strand	-
Start	12838	End	13248
Name	OJ000118_02.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	1319	End	3515
GI	none	Score	144
Exons	1319..1408, 1326..1412, 1559..1723, 1566..1724, 3286..3384, 3287..3382, 3489..3515		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13307	Strand	-
Start	12838	End	13248
Name	OJ000118_02.0222.C9.o1.tw	Method	TBLASTX:Wheat
Start	1355	End	3390
GI	none	Score	121
Exons	1355..1408, 1559..1723, 1565..1723, 1566..1724, 3286..3345, 3287..3346, 3293..3346, 3325..3390, 3337..3390		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13307	Strand	-
Start	12838	End	13248
Name	OJ000118_02.0222.C9.o2.gp	Method	AAT/GAP
Start	12838	End	13248
GI	5816562	Score	634
Exons	12838..13248		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	6324	Seq. ID	OJ000118_02.0222.C9
Gene No.	13308	Strand	
Start	14406	End	14696
Name	OJ000118_02.0222.C9.o2.tw	Method	TBLASTX:Wheat
Start	14406	End	14696
GI	none	Score	214
Exons	14406..14696, 14546..14659		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13309	Strand	+
Start	92	End	580
Name	OJ000118_02.0222.C10.o1.np	Method	AAT/NAP
Start	92	End	553
GI	5902446	Score	594
Exons	92..553		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13309	Strand	+
Start	92	End	580
Name	OJ000118_02.0222.C10.o1.gs	Method	GENSCAN
Start	106	End	580

GI	none	Score	.97
Exons	106..580		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o2.gs	Method	GENSCAN
Start	886	End	6106
GI	none	Score	.66
Exons	886..1743, 1828..2824, 2929..3002, 3312..3485, 3693..3966, 4063..4577, 4583..4675, 4766..4980, 5107..6106		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o2.tw	Method	TBLASTX:Wheat
Start	898	End	1506
GI	none	Score	95
Exons	898..1029, 1054..1506, 1223..1351, 1333..1362, 1403..1489		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o2.np	Method	AAT/NAP
Start	922	End	6175
GI	5922631	Score	6222
Exons	922..3448, 4055..4980, 5107..5258, 5301..5872, 5918..6175		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o4.tm	Method	TBLASTX:Maize
Start	937	End	1200
GI	none	Score	101
Exons	937..1035, 938..1039, 1018..1200, 1019..1078		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o5.tm	Method	TBLASTX:Maize
Start	1282	End	1555
GI	none	Score	55
Exons	1282..1368, 1378..1461, 1391..1465, 1456..1554, 1457..1555		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o5.tw	Method	TBLASTX:Wheat
Start	1625	End	2016
GI	none	Score	54

Exons	1625..1672, 1627..2013, 1645..1818, 1703..2014, 1855..2016		
Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o1.tm	Method	TBLASTX:Maize
Start	1657	End	2020
GI	none	Score	235
Exons	1657..1704, 1696..2019, 1697..2020		
Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o9.tw	Method	TBLASTX:Wheat
Start	2017	End	2316
GI	none	Score	49
Exons	2017..2115, 2060..2128, 2182..2316, 2183..2314		
Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o4.tw	Method	TBLASTX:Wheat
Start	2332	End	2754
GI	none	Score	250
Exons	2332..2754, 2408..2749		
Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o2.ts	Method	TBLASTX:Soybean
Start	2375	End	2763
GI	none	Score	121
Exons	2375..2623, 2377..2763, 2660..2755		
Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o6.tm	Method	TBLASTX:Maize
Start	2428	End	2701
GI	none	Score	53
Exons	2428..2526, 2429..2494, 2530..2700, 2545..2673, 2651..2701		
Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o8.tw	Method	TBLASTX:Wheat
Start	2755	End	2949
GI	none	Score	200
Exons	2755..2949		
Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o1.ts	Method	TBLASTX:Soybean
Start	2997	End	3389
GI	none	Score	106
Exons	2997..3356, 3033..3389, 3229..3372		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o3.tw	Method	TBLASTX:Wheat
Start	3043	End	3467
GI	none	Score	259
Exons	3043..3423, 3046..3366, 3048..3467		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o3.tm	Method	TBLASTX:Maize
Start	3141	End	3524
GI	none	Score	147
Exons	3141..3524, 3142..3420, 3189..3515		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o2.tm	Method	TBLASTX:Maize
Start	3552	End	3908
GI	none	Score	198
Exons	3552..3908, 3574..3867		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o1.tw	Method	TBLASTX:Wheat
Start	3582	End	4038
GI	none	Score	275
Exons	3582..4037, 3583..4038		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o3.ts	Method	TBLASTX:Soybean
Start	3633	End	3998
GI	none	Score	138
Exons	3633..3767, 3774..3998		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o6.tw	Method	TBLASTX:Wheat
Start	4038	End	4714
GI	none	Score	147
Exons	4038..4211, 4258..4494, 4260..4490, 4586..4714		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o7.tm	Method	TBLASTX:Maize
Start	4229	End	4407
GI	none	Score	106
Exons	4229..4354, 4230..4406, 4261..4407		

Seq. No.	6325	Seq. ID	OJ000118_02.0222.C10
Gene No.	13310	Strand	-
Start	886	End	6175
Name	OJ000118_02.0222.C10.o7.tw	Method	TBLASTX:Wheat
Start	5294	End	5696
GI	none	Score	104
Exons	5294..5695, 5427..5696		

Seq. No.	6326	Seq. ID	OJ000118_02.0222.C11
Gene No.	13311	Strand	+
Start	45	End	3005
Name	OJ000118_02.0222.C11.o1.gs	Method	GENSCAN
Start	45	End	2274
GI	none	Score	.51
Exons	45..277, 465..766, 1077..1160, 1886..2274		

Seq. No.	6326	Seq. ID	OJ000118_02.0222.C11
Gene No.	13311	Strand	+
Start	45	End	3005
Name	OJ000118_02.0222.C11.o1.gp	Method	AAT/GAP
Start	271	End	1030
GI	5816562	Score	646
Exons	271..294, 616..1030		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	6326	Seq. ID	OJ000118_02.0222.C11
Gene No.	13311	Strand	+
Start	45	End	3005
Name	OJ000118_02.0222.C11.o2.np	Method	AAT/NAP
Start	1224	End	3005
GI	944916	Score	96
Exons	1224..1295, 1930..2095, 2956..3005		
GI Descrip.	(U30322) cysteine proteinase [Mesembryanthemum crystallinum]		

Seq. No.	6326	Seq. ID	OJ000118_02.0222.C11
Gene No.	13312	Strand	-
Start	1	End	569
Name	OJ000118_02.0222.C11.o1.np	Method	AAT/NAP
Start	1	End	569
GI	5902444	Score	592
Exons	1..569		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13313	Strand	+
Start	744	End	1034
Name	OJ000118_02.0222.C12.o1.gp	Method	AAT/GAP
Start	744	End	1034
GI	62293_1.R1084	Score	517
Exons	744..1034		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13314	Strand	+

Start	1362	End	1675
Name	OJ000118_02.0222.C12.o2.gp	Method	AAT/GAP
Start	1362	End	1675
GI	5607599	Score	597
Exons	1362..1675		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o2.gs	Method	GENSCAN
Start	1981	End	8550
GI	none	Score	.71
Exons	1981..2080, 2565..2668, 4851..4929, 5938..6259, 6389..6587, 6693..6969, 7062..7200, 7287..7449, 8401..8550		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o3.gp	Method	AAT/GAP
Start	5723	End	8562
GI	1190_2.R1084	Score	2835
Exons	5723..6259, 6389..6587, 6693..6969, 7062..7200, 7287..7449, 8401..8562		
GI Descrip.	'1125691/emb|CAA63965| 0.0e+00 (X94301) DnaJ protein [Solanum tuberosum]'		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	5929	End	8560
GI	none	Score	62
Exons	5929..5970, 6042..6230, 6043..6231, 6072..6233, 6112..6231, 6350..6589, 6390..6587, 6391..6594, 6693..6734, 6693..6743, 6694..6969, 6792..6926, 6796..6966, 6806..6967, 7058..7162, 7061..7165, 7062..7166, 7062..7199, 7063..7200, 7294..7452, 7318..7452, 8386..8553, 8387..8551, 8453..8560		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o1.tc	Method	TBLASTX:Cress
Start	5935	End	8533
GI	none	Score	52
Exons	5935..5970, 6042..6302, 6072..6260, 6118..6261, 6390..6587, 6391..6594, 6439..6591, 6693..6743, 6694..6966, 6792..6926, 6796..6972, 6819..6971, 7059..7166, 7061..7165, 7069..7206, 7286..7312, 7294..7452, 7301..7444, 7318..7452, 8386..8532, 8387..8533		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	5935	End	8539
GI	none	Score	50
Exons	5935..5970, 6042..6299, 6043..6261, 6386..6523, 6390..6527,		

6391..6534, 6439..6528, 6505..6594, 6516..6587, 6686..6733,
6693..6743, 6694..6798, 6792..6926, 6803..6880, 6806..6967,
6856..6966, 6907..6969, 7059..7166, 7060..7212, 7061..7165,
7291..7335, 7318..7344, 7336..7452, 7351..7452, 7353..7469,
8386..8463, 8387..8464, 8443..8493, 8494..8538, 8495..8539

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o1.np	Method	AAT/NAP
Start	5937	End	8550
GI	1169382	Score	1789
Exons	5937..6259, 6389..6587, 6693..6969, 7062..7201, 7285..7449, 8401..8550		
GI Descrip.	DNAJ PROTEIN HOMOLOG 2 gi|542196|pir||S42031 LDJ2 protein - leek gi|454303|emb|CAA54720| (X77632) LDJ2 [Allium porrum]		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	6042	End	7176
GI	none	Score	209
Exons	6042..6299, 6072..6254, 6100..6261, 6383..6589, 6390..6587, 6391..6594, 6439..6591, 6677..6733, 6693..6728, 6693..6743, 6694..6798, 6792..6926, 6792..6857, 6810..6896, 6814..6969, 6856..6969, 7058..7162, 7061..7165, 7062..7166, 7062..7169, 7063..7176, 7099..7176		

Seq. No.	6327	Seq. ID	OJ000118_02.0222.C12
Gene No.	13315	Strand	-
Start	1981	End	8562
Name	OJ000118_02.0222.C12.o2.tw	Method	TBLASTX:Wheat
Start	7318	End	8554
GI	none	Score	115
Exons	7318..7347, 7342..7452, 7342..7452, 7353..7466, 8313..8345, 8386..8553, 8387..8551, 8453..8554, 8464..8553		

Seq. No.	6328	Seq. ID	OJ000118_02.0222.C13
Gene No.	13316	Strand	-
Start	976	End	1125
Name	OJ000118_02.0222.C13.o1.gs	Method	GENSCAN
Start	976	End	1125
GI	none	Score	.75
Exons	976..1125		

Seq. No.	6329	Seq. ID	OJ000118_02.0222.C14
Gene No.	13317	Strand	-
Start	260	End	354
Name	OJ000118_02.0222.C14.o1.gs	Method	GENSCAN
Start	260	End	354
GI	none	Score	.71
Exons	260..354		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13318	Strand	-
Start	168	End	1051

Name	OJ000118_02.0222.C17.o1.gp	Method	AAT/GAP
Start	168	End	387
GI	LIB3434-043-P1-K1-E11	Score	344
Exons	168..387		
GI Descrip.	'3320104/emb|CAA07481| 6.0e-56 (AJ007366) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13318	Strand	-
Start	168	End	1051
Name	OJ000118_02.0222.C17.o1.np	Method	AAT/NAP
Start	175	End	1051
GI	3320104	Score	967
Exons	175..1051		
GI Descrip.	(AJ007366) calcium-dependent protein kinase [Zea mays]		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13318	Strand	-
Start	168	End	1051
Name	OJ000118_02.0222.C17.o1.gs	Method	GENSCAN
Start	189	End	939
GI	none	Score	1
Exons	189..939		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13319	Strand	-
Start	1383	End	1659
Name	OJ000118_02.0222.C17.o1.tc	Method	TBLASTX:Cress
Start	173	End	1051
GI	none	Score	418
Exons	173..631, 175..717, 833..865, 838..864, 971..1021, 993..1022, 1025..1051		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13319	Strand	-
Start	1383	End	1659
Name	OJ000118_02.0222.C17.o1.ts	Method	TBLASTX:Soybean
Start	175	End	690
GI	none	Score	350
Exons	175..690, 188..631		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13319	Strand	-
Start	1383	End	1659
Name	OJ000118_02.0222.C17.o1.tm	Method	TBLASTX:Maize
Start	184	End	658
GI	none	Score	545
Exons	184..657, 188..631, 542..658		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13319	Strand	-
Start	1383	End	1659
Name	OJ000118_02.0222.C17.o1.tw	Method	TBLASTX:Wheat
Start	238	End	508
GI	none	Score	290
Exons	238..507, 239..508		

Seq. No.	6330	Seq. ID	OJ000118_02.0222.C17
Gene No.	13319	Strand	-
Start	1383	End	1659
Name	OJ000118_02.0222.C17.o2.gp	Method	AAT/GAP
Start	1383	End	1659
GI	2443140	Score	513
Exons	1383..1659		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13320	Strand	
Start	2	End	1118
Name	OJ000108_34.0301.C4.o3.ts	Method	TBLASTX:Soybean
Start	2	End	371
GI	none	Score	113
Exons	2..358, 3..371		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13320	Strand	
Start	2	End	1118
Name	OJ000108_34.0301.C4.o5.tm	Method	TBLASTX:Maize
Start	2	End	265
GI	none	Score	218
Exons	2..265, 3..263, 5..265		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13320	Strand	
Start	2	End	1118
Name	OJ000108_34.0301.C4.o2.tm	Method	TBLASTX:Maize
Start	266	End	665
GI	none	Score	424
Exons	266..658, 267..665		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13320	Strand	
Start	2	End	1118
Name	OJ000108_34.0301.C4.o1.ts	Method	TBLASTX:Soybean
Start	504	End	1091
GI	5509260	Score	136
Exons	504..665, 506..658, 675..866, 676..867, 861..1001, 876..1091		
GI Descrip.	-		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13320	Strand	
Start	2	End	1118
Name	OJ000108_34.0301.C4.o2.tw	Method	TBLASTX:Wheat
Start	512	End	950
GI	none	Score	59
Exons	512..640, 518..658, 531..665, 687..845, 693..842, 700..843, 700..846, 876..950		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13320	Strand	
Start	2	End	1118
Name	OJ000108_34.0301.C4.o4.tm	Method	TBLASTX:Maize
Start	799	End	1118
GI	none	Score	273
Exons	799..1089, 801..1118		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13321	Strand	
Start	1125	End	2393
Name	OJ000108_34.0301.C4.o1.tm	Method	TBLASTX:Maize
Start	1125	End	1997
GI	none	Score	506
Exons	1125..1925, 1252..1791, 1257..1877, 1924..1992, 1926..1997		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13321	Strand	
Start	1125	End	2393
Name	OJ000108_34.0301.C4.o3.tw	Method	TBLASTX:Wheat
Start	1230	End	1574
GI	none	Score	102
Exons	1230..1310, 1321..1485, 1332..1496, 1335..1499, 1485..1574, 1488..1574		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13321	Strand	
Start	1125	End	2393
Name	OJ000108_34.0301.C4.o2.ts	Method	TBLASTX:Soybean
Start	1356	End	1794
GI	none	Score	105
Exons	1356..1790, 1440..1793, 1627..1794		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13321	Strand	
Start	1125	End	2393
Name	OJ000108_34.0301.C4.o1.tc	Method	TBLASTX:Cress
Start	1359	End	1781
GI	none	Score	229
Exons	1359..1781		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13321	Strand	
Start	1125	End	2393
Name	OJ000108_34.0301.C4.o1.tw	Method	TBLASTX:Wheat
Start	1662	End	2234
GI	none	Score	109
Exons	1662..1946, 1663..1788, 1665..1934, 1870..1950, 1931..1975, 1950..1973, 1979..2053, 1986..2234, 2002..2226		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13321	Strand	
Start	1125	End	2393
Name	OJ000108_34.0301.C4.o3.tm	Method	TBLASTX:Maize
Start	1998	End	2393
GI	none	Score	262
Exons	1998..2270, 1999..2274, 2274..2393, 2278..2385		

Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13322	Strand	
Start	2301	End	2734
Name	OJ000108_34.0301.C4.o4.tw	Method	TBLASTX:Wheat
Start	2301	End	2612
GI	none	Score	69

Exons	2301..2612, 2401..2526		
Seq. No.	6331	Seq. ID	OJ000108_34.0301.C4
Gene No.	13322	Strand	
Start	2301	End	2734
Name	OJ000108_34.0301.C4.o6.tm	Method	TBLASTX:Maize
Start	2394	End	2734
GI	none	Score	131
Exons	2394..2636, 2395..2631, 2656..2733, 2660..2734		
Seq. No.	6332	Seq. ID	OJ000108_34.0301.C7
Gene No.	13323	Strand	-
Start	890	End	1455
Name	OJ000108_34.0301.C7.o1.gp	Method	AAT/GAP
Start	890	End	1455
GI	4879016	Score	889
Exons	890..1455		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	6333	Seq. ID	OJ000108_34.0301.C9
Gene No.	13324	Strand	
Start	172	End	692
Name	OJ000108_34.0301.C9.o1.tw	Method	TBLASTX:Wheat
Start	172	End	565
GI	none	Score	40
Exons	172..234, 191..235, 230..565, 270..482		
Seq. No.	6333	Seq. ID	OJ000108_34.0301.C9
Gene No.	13324	Strand	
Start	172	End	692
Name	OJ000108_34.0301.C9.o1.tm	Method	TBLASTX:Maize
Start	254	End	692
GI	none	Score	232
Exons	254..691, 270..692, 597..692		
Seq. No.	6334	Seq. ID	OJ000108_34.0301.C10
Gene No.	13325	Strand	
Start	9	End	418
Name	OJ000108_34.0301.C10.o1.tw	Method	TBLASTX:Wheat
Start	9	End	389
GI	none	Score	122
Exons	9..197, 18..197, 19..198, 197..388, 198..389		
Seq. No.	6334	Seq. ID	OJ000108_34.0301.C10
Gene No.	13325	Strand	
Start	9	End	418
Name	OJ000108_34.0301.C10.o1.tm	Method	TBLASTX:Maize
Start	18	End	418
GI	none	Score	63
Exons	18..197, 197..418, 315..416		
Seq. No.	6334	Seq. ID	OJ000108_34.0301.C10
Gene No.	13326	Strand	
Start	506	End	926
Name	OJ000108_34.0301.C10.o3.tw	Method	TBLASTX:Wheat

Start	506	End	926
GI	none	Score	74
Exons	506..691, 576..671, 716..925,	783..926	

Seq. No.	6334	Seq. ID	OJ000108_34.0301.C10
Gene No.	13327	Strand	
Start	1283	End	1634
Name	OJ000108_34.0301.C10.o2.tw	Method	TBLASTX:Wheat
Start	1283	End	1634
GI	none	Score	102
Exons	1283..1633, 1440..1634		

Seq. No.	6334	Seq. ID	OJ000108_34.0301.C10
Gene No.	13327	Strand	
Start	1283	End	1634
Name	OJ000108_34.0301.C10.o2.tm	Method	TBLASTX:Maize
Start	1328	End	1633
GI	none	Score	86
Exons	1328..1633, 1455..1619		

Seq. No.	6334	Seq. ID	OJ000108_34.0301.C10
Gene No.	13328	Strand	
Start	1667	End	1867
Name	OJ000108_34.0301.C10.o4.tw	Method	TBLASTX:Wheat
Start	1667	End	1867
GI	none	Score	57
Exons	1667..1759, 1668..1865, 1670..	1867	

Seq. No.	6335	Seq. ID	OJ000108_34.0301.C12
Gene No.	13329	Strand	+
Start	352	End	838
Name	OJ000108_34.0301.C12.o1.gp	Method	AAT/GAP
Start	352	End	838
GI	uC-osf1M202095f12b1	Score	930
Exons	352..838		
GI Descrip.	'4454031/emb|CAA23028.1| 1.0e-10 (AL035394) putative protein [Arabidopsis thaliana]'		

Seq. No.	6335	Seq. ID	OJ000108_34.0301.C12
Gene No.	13329	Strand	+
Start	352	End	838
Name	OJ000108_34.0301.C12.o1.tm	Method	TBLASTX:Maize
Start	577	End	793
GI	none	Score	241
Exons	577..780, 577..792, 578..793,	584..793	

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13330	Strand	
Start	447	End	1260
Name	OJ000108_34.0301.C16.o2.ts	Method	TBLASTX:Soybean
Start	447	End	935
GI	none	Score	166
Exons	447..536, 547..933, 628..849,	630..935	

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13330	Strand	
Start	447	End	1260

Name	OJ000108_34.0301.C16.o4.tw	Method	TBLASTX:Wheat
Start	804	End	1259
GI	none	Score	37
Exons	804..1259, 814..876, 901..945, 1024..1254		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13330	Strand	
Start	447	End	1260
Name	OJ000108_34.0301.C16.o4.ts	Method	TBLASTX:Soybean
Start	936	End	1260
GI	none	Score	182
Exons	936..1220, 937..1221, 1218..1259, 1219..1260		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13331	Strand	
Start	1281	End	1847
Name	OJ000108_34.0301.C16.o1.tc	Method	TBLASTX:Cress
Start	1281	End	1664
GI	none	Score	67
Exons	1281..1538, 1281..1583, 1605..1664		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13331	Strand	
Start	1281	End	1847
Name	OJ000108_34.0301.C16.o5.tw	Method	TBLASTX:Wheat
Start	1377	End	1847
GI	none	Score	92
Exons	1377..1580, 1584..1655, 1647..1847, 1713..1844, 1714..1845		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13331	Strand	
Start	1281	End	1847
Name	OJ000108_34.0301.C16.o5.ts	Method	TBLASTX:Soybean
Start	1707	End	1841
GI	none	Score	79
Exons	1707..1841, 1720..1827, 1725..1841		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o3.tw	Method	TBLASTX:Wheat
Start	1860	End	2164
GI	none	Score	39
Exons	1860..2159, 1861..1914, 1931..2164, 1975..2160		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o1.tm	Method	TBLASTX:Maize
Start	1884	End	2432
GI	none	Score	124
Exons	1884..2027, 2019..2432, 2020..2289		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o3.ts	Method	TBLASTX:Soybean

Start	1971	End	2306
GI	none	Score	135
Exons	1971..2240, 1972..2241, 2019..2240, 2042..2242, 2241..2306		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o1.tw	Method	TBLASTX:Wheat
Start	2166	End	2597
GI	none	Score	267
Exons	2166..2597, 2176..2481, 2190..2576, 2545..2595		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o2.tm	Method	TBLASTX:Maize
Start	2469	End	2810
GI	none	Score	223
Exons	2469..2810		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o1.ts	Method	TBLASTX:Soybean
Start	2673	End	3098
GI	none	Score	115
Exons	2673..3098, 2685..3002, 2824..3072		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13332	Strand	
Start	1860	End	3098
Name	OJ000108_34.0301.C16.o2.tw	Method	TBLASTX:Wheat
Start	2694	End	3098
GI	none	Score	184
Exons	2694..3098, 2812..3081		

Seq. No.	6336	Seq. ID	OJ000108_34.0301.C16
Gene No.	13333	Strand	
Start	4273	End	4623
Name	OJ000108_34.0301.C16.o6.tw	Method	TBLASTX:Wheat
Start	4273	End	4623
GI	none	Score	206
Exons	4273..4623		

Seq. No.	6337	Seq. ID	OJ000108_34.0301.C17
Gene No.	13334	Strand	
Start	329	End	1287
Name	OJ000108_34.0301.C17.o1.tm	Method	TBLASTX:Maize
Start	329	End	1287
GI	none	Score	166
Exons	329..436, 334..666, 497..649, 1139..1276, 1142..1276, 1144..1284, 1228..1287		

Seq. No.	6338	Seq. ID	OJ000108_34.0301.C21
Gene No.	13335	Strand	
Start	256	End	473
Name	OJ000108_34.0301.C21.o1.tm	Method	TBLASTX:Maize

Start	256	End	473
GI	none	Score	97
Exons	256..324, 260..322, 330..473, 332..424		

Seq. No.	6338	Seq. ID	OJ000108_34.0301.C21
Gene No.	13335	Strand	
Start	256	End	473
Name	OJ000108_34.0301.C21.o2.ts	Method	TBLASTX:Soybean
Start	256	End	473
GI	none	Score	95
Exons	256..324, 260..322, 329..406, 330..473, 331..402, 332..406		

Seq. No.	6338	Seq. ID	OJ000108_34.0301.C21
Gene No.	13336	Strand	
Start	652	End	1177
Name	OJ000108_34.0301.C21.o1.tc	Method	TBLASTX:Cress
Start	652	End	1177
GI	none	Score	129
Exons	652..843, 656..772, 1043..1120, 1127..1177		

Seq. No.	6338	Seq. ID	OJ000108_34.0301.C21
Gene No.	13336	Strand	
Start	652	End	1177
Name	OJ000108_34.0301.C21.o1.ts	Method	TBLASTX:Soybean
Start	662	End	843
GI	none	Score	102
Exons	662..838, 664..843		

Seq. No.	6339	Seq. ID	OJ000108_34.0301.C22
Gene No.	13337	Strand	-
Start	3076	End	3504
Name	OJ000108_34.0301.C22.o1.gp	Method	AAT/GAP
Start	3076	End	3504
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	3076..3162, 3467..3504		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6340	Seq. ID	OJ000108_34.0301.C23
Gene No.	13338	Strand	-
Start	1	End	404
Name	OJ000108_34.0301.C23.o1.gp	Method	AAT/GAP
Start	1	End	404
GI	LIB3434-038-P1-K1-F1	Score	717
Exons	1..404		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6340	Seq. ID	OJ000108_34.0301.C23
Gene No.	13339	Strand	
Start	2595	End	3224
Name	OJ000108_34.0301.C23.o2.tm	Method	TBLASTX:Maize
Start	2595	End	2832
GI	none	Score	68
Exons	2595..2831, 2704..2832		

Seq. No.	6340	Seq. ID	OJ000108_34.0301.C23
Gene No.	13339	Strand	
Start	2595	End	3224
Name	OJ000108_34.0301.C23.o1.tw	Method	TBLASTX:Wheat
Start	2640	End	3062
GI	none	Score	133
Exons	2640..3062, 2749..3042		

Seq. No.	6340	Seq. ID	OJ000108_34.0301.C23
Gene No.	13339	Strand	
Start	2595	End	3224
Name	OJ000108_34.0301.C23.o1.tm	Method	TBLASTX:Maize
Start	2832	End	3224
GI	none	Score	184
Exons	2832..3224, 2833..3222		

Seq. No.	6340	Seq. ID	OJ000108_34.0301.C23
Gene No.	13339	Strand	
Start	2595	End	3224
Name	OJ000108_34.0301.C23.o2.tw	Method	TBLASTX:Wheat
Start	3066	End	3224
GI	none	Score	77
Exons	3066..3224, 3070..3222		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13340	Strand	+
Start	2365	End	2619
Name	OJ000108_34.0301.C24.o1.gp	Method	AAT/GAP
Start	2365	End	2619
GI	61605_3.R1084	Score	430
Exons	2365..2619		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13341	Strand	+
Start	5471	End	5833
Name	OJ000108_34.0301.C24.o3.gp	Method	AAT/GAP
Start	5471	End	5833
GI	uC-osf1cyp162a07a1	Score	421
Exons	5471..5631, 5731..5833		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13342	Strand	+
Start	6464	End	7137
Name	OJ000108_34.0301.C24.o4.gp	Method	AAT/GAP
Start	6464	End	7137
GI	LIB3475-004-P1-K2-A5	Score	417
Exons	6464..6557, 6974..7137		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13343	Strand	-
Start	3116	End	3815

Name	OJ000108_34.0301.C24.o2.gp	Method	AAT/GAP
Start	3116	End	3815
GI	101153_1.R1084	Score	600
Exons	3116..3308, 3626..3815		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o2.ts	Method	TBLASTX:Soybean
Start	2	End	194
GI	none	Score	64
Exons	2..181, 2..193, 6..194		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o2.tw	Method	TBLASTX:Wheat
Start	2	End	482
GI	none	Score	292
Exons	2..481, 6..482		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o4.tm	Method	TBLASTX:Maize
Start	2	End	343
GI	none	Score	75
Exons	2..343, 30..131, 179..232		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o1.tw	Method	TBLASTX:Wheat
Start	482	End	985
GI	none	Score	304
Exons	482..985, 561..977		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o1.tm	Method	TBLASTX:Maize
Start	560	End	913
GI	none	Score	215
Exons	560..913, 561..911		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o3.ts	Method	TBLASTX:Soybean
Start	734	End	979
GI	none	Score	194
Exons	734..979		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-

Start	11295	End	11676
Name	OJ000108_34.0301.C24.o3.tm	Method	TBLASTX:Maize
Start	920	End	1267
GI	none	Score	140
Exons	920..1267, 921..1265		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o4.tw	Method	TBLASTX:Wheat
Start	986	End	1288
GI	none	Score	262
Exons	986..1288, 1002..1286		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o1.ts	Method	TBLASTX:Soybean
Start	1001	End	1396
GI	none	Score	208
Exons	1001..1360, 1002..1289, 1031..1366, 1364..1396, 1365..1394		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o2.tm	Method	TBLASTX:Maize
Start	1283	End	1750
GI	none	Score	385
Exons	1283..1750		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o3.tw	Method	TBLASTX:Wheat
Start	1337	End	1819
GI	none	Score	84
Exons	1337..1819, 1341..1484, 1370..1699, 1512..1808		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o7.tm	Method	TBLASTX:Maize
Start	1754	End	1916
GI	none	Score	142
Exons	1754..1915, 1755..1916		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o6.tw	Method	TBLASTX:Wheat
Start	1991	End	2365
GI	none	Score	49
Exons	1991..2113, 1997..2113, 2147..2365, 2215..2316, 2247..2351		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676

Name	OJ000108_34.0301.C24.o6.tm	Method	TBLASTX:Maize
Start	2051	End	2365
GI	none	Score	79
Exons	2051..2365, 2226..2327		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o5.tm	Method	TBLASTX:Maize
Start	5390	End	7818
GI	none	Score	89
Exons	5390..5650, 5466..5630, 7519..7818		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o5.tw	Method	TBLASTX:Wheat
Start	5390	End	7818
GI	none	Score	142
Exons	5390..5656, 5460..5630, 5461..5658, 7519..7818, 7624..7791		

Seq. No.	6341	Seq. ID	OJ000108_34.0301.C24
Gene No.	13344	Strand	-
Start	11295	End	11676
Name	OJ000108_34.0301.C24.o5.gp	Method	AAT/GAP
Start	11295	End	11676
GI	uC-osflcyp033a04b1	Score	663
Exons	11295..11676		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13345	Strand	
Start	125	End	346
Name	OJ000108_34.0301.C26.o3.tw	Method	TBLASTX:Wheat
Start	125	End	346
GI	none	Score	85
Exons	125..346, 128..325, 165..338		

Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13346	Strand	
Start	347	End	850
Name	OJ000108_34.0301.C26.o1.tw	Method	TBLASTX:Wheat
Start	347	End	850
GI	none	Score	354
Exons	347..850, 381..818		

Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13346	Strand	
Start	347	End	850
Name	OJ000108_34.0301.C26.o1.tm	Method	TBLASTX:Maize
Start	416	End	779
GI	none	Score	162
Exons	416..778, 425..778, 429..779		

Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13346	Strand	

Start	347	End	850
Name	OJ000108_34.0301.C26.o2.ts	Method	TBLASTX:Soybean
Start	599	End	841
GI	none	Score	97
Exons	599..841, 600..827		

Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13347	Strand	
Start	785	End	1150
Name	OJ000108_34.0301.C26.o2.tm	Method	TBLASTX:Maize
Start	785	End	1129
GI	none	Score	87
Exons	785..886, 867..995, 875..1129		

Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13347	Strand	
Start	785	End	1150
Name	OJ000108_34.0301.C26.o1.ts	Method	TBLASTX:Soybean
Start	854	End	1150
GI	none	Score	138
Exons	854..1135, 854..1150, 873..1148		

Seq. No.	6342	Seq. ID	OJ000108_34.0301.C26
Gene No.	13347	Strand	
Start	785	End	1150
Name	OJ000108_34.0301.C26.o2.tw	Method	TBLASTX:Wheat
Start	872	End	1150
GI	none	Score	248
Exons	872..1150, 873..1148, 878..1150		

Seq. No.	6343	Seq. ID	OJ000108_34.0301.C27
Gene No.	13348	Strand	
Start	108	End	497
Name	OJ000108_34.0301.C27.o1.tw	Method	TBLASTX:Wheat
Start	108	End	485
GI	none	Score	58
Exons	108..440, 208..402, 417..485		

Seq. No.	6343	Seq. ID	OJ000108_34.0301.C27
Gene No.	13348	Strand	
Start	108	End	497
Name	OJ000108_34.0301.C27.o1.tc	Method	TBLASTX:Cress
Start	146	End	497
GI	none	Score	76
Exons	146..298, 147..449, 148..297, 453..497		

Seq. No.	6344	Seq. ID	OJ000108_34.0301.C28
Gene No.	13349	Strand	
Start	10	End	435
Name	OJ000108_34.0301.C28.o1.ts	Method	TBLASTX:Soybean
Start	10	End	435
GI	none	Score	149
Exons	10..435, 161..409		

Seq. No.	6344	Seq. ID	OJ000108_34.0301.C28
Gene No.	13349	Strand	
Start	10	End	435

Name	OJ000108_34.0301.C28.o1.tw	Method	TBLASTX:Wheat
Start	31	End	435
GI	none	Score	164
Exons	31..435, 149..418		

Seq. No.	6345	Seq. ID	OJ000108_34.0301.C32
Gene No.	13350	Strand	
Start	5211	End	5989
Name	OJ000108_34.0301.C32.o1.tc	Method	TBLASTX:Cress
Start	5211	End	5486
GI	none	Score	215
Exons	5211..5486, 5303..5383		

Seq. No.	6345	Seq. ID	OJ000108_34.0301.C32
Gene No.	13350	Strand	
Start	5211	End	5989
Name	OJ000108_34.0301.C32.o1.tm	Method	TBLASTX:Maize
Start	5211	End	5752
GI	none	Score	333
Exons	5211..5486, 5213..5485, 5272..5487, 5627..5752		

Seq. No.	6345	Seq. ID	OJ000108_34.0301.C32
Gene No.	13350	Strand	
Start	5211	End	5989
Name	OJ000108_34.0301.C32.o1.ts	Method	TBLASTX:Soybean
Start	5214	End	5480
GI	none	Score	231
Exons	5214..5480, 5214..5465, 5264..5470		

Seq. No.	6345	Seq. ID	OJ000108_34.0301.C32
Gene No.	13350	Strand	
Start	5211	End	5989
Name	OJ000108_34.0301.C32.o1.tw	Method	TBLASTX:Wheat
Start	5624	End	5989
GI	none	Score	202
Exons	5624..5989		

Seq. No.	6346	Seq. ID	OJ000108_34.0301.C33
Gene No.	13351	Strand	+
Start	1038	End	1455
Name	OJ000108_34.0301.C33.o1.gp	Method	AAT/GAP
Start	1038	End	1455
GI	uC-osroM202011h09b1	Score	800
Exons	1038..1455		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6347	Seq. ID	OJ000208_26.0302.C2
Gene No.	13352	Strand	+
Start	185	End	344
Name	OJ000208_26.0302.C2.o1.gs	Method	GENSCAN
Start	185	End	344
GI	none	Score	.42
Exons	185..344		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3

Gene No.	13353	Strand	+
Start	9124	End	12774
Name	OJ000208_26.0302.C3.o2.gs	Method	GENSCAN
Start	9124	End	12645
GI	none	Score	.73
Exons	9124..9203, 9347..9598, 10163..10231, 10327..10462, 10825..11129, 11481..11707, 11783..11898, 12014..12190, 12284..12472, 12583..12645		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13353	Strand	+
Start	9124	End	12774
Name	OJ000208_26.0302.C3.o1.gp	Method	AAT/GAP
Start	9299	End	12774
GI	52_1.R1084	Score	2882
Exons	9299..9598, 10163..10231, 10327..10462, 10882..11129, 11481..11707, 11783..11898, 12014..12190, 12284..12472, 12583..12646, 12749..12774		
GI Descrip.	'3062907/dbj|BAA25729| 0.0e+00 (AB012107) myo-inositol phosphate synthase [Oryza sativa]'		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13353	Strand	+
Start	9124	End	12774
Name	OJ000208_26.0302.C3.o2.np	Method	AAT/NAP
Start	9411	End	12774
GI	3062907	Score	2185
Exons	9411..9598, 10163..10231, 10327..10462, 10882..11129, 11481..11707, 11783..11898, 12014..12190, 12284..12472, 12583..12645, 12748..12774		
GI Descrip.	(AB012107) myo-inositol phosphate synthase [Oryza sativa]		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o1.np	Method	AAT/NAP
Start	1	End	2230
GI	6561960	Score	1315
Exons	1..583, 672..927, 1420..2016, 2144..2230		
GI Descrip.	(AL132964) putative protein [Arabidopsis thaliana]		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o2.tm	Method	TBLASTX:Maize
Start	371	End	1535
GI	none	Score	206
Exons	371..595, 373..585, 374..586, 468..596, 672..929, 672..929, 1384..1533, 1407..1484, 1419..1535, 1448..1519		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o3.tw	Method	TBLASTX:Wheat
Start	371	End	518
GI	none	Score	183
Exons	371..517, 372..518, 373..510, 374..511		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o1.gs	Method	GENSCAN
Start	399	End	5204
GI	none	Score	.56
Exons	399..583, 672..927, 1420..1850, 2243..2280, 2348..2414, 2449..2514, 4330..4523, 4905..5006, 5012..5204		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o2.tc	Method	TBLASTX:Cress
Start	1422	End	1840
GI	none	Score	38
Exons	1422..1472, 1423..1473, 1480..1827, 1487..1840, 1531..1776, 1542..1838		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o2.ts	Method	TBLASTX:Soybean
Start	1485	End	1737
GI	none	Score	193
Exons	1485..1736, 1486..1737, 1487..1735, 1542..1736		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13354	Strand	-
Start	1	End	5204
Name	OJ000208_26.0302.C3.o3.tm	Method	TBLASTX:Maize
Start	1592	End	1994
GI	none	Score	282
Exons	1592..1984, 1593..1994, 1594..1989		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13355	Strand	
Start	9392	End	12774
Name	OJ000208_26.0302.C3.o1.tc	Method	TBLASTX:Cress
Start	9392	End	12774
GI	none	Score	122
Exons	9392..9505, 9393..9512, 9519..9599, 10163..10231, 10164..10232, 10298..10465, 10327..10464, 10328..10465, 10881..11129, 10882..11130, 11479..11712, 11479..11697, 11480..11701, 11526..11744, 11781..11894, 11782..11910, 11788..11898, 12011..12190, 12014..12226, 12272..12472, 12283..12483, 12283..12471, 12582..12647, 12585..12647, 12586..12648, 12748..12774		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13355	Strand	
Start	9392	End	12774
Name	OJ000208_26.0302.C3.o1.tm	Method	TBLASTX:Maize
Start	9402	End	12774
GI	none	Score	297
Exons	9402..9599, 9404..9598, 10159..10230, 10162..10230, 10163..10231, 10164..10232, 10298..10465, 10327..10479,		

10332..10469, 10881..11018, 10881..11129, 10882..11130,
11073..11123, 11479..11712, 11479..11694, 11480..11707,
11523..11744, 11781..11897, 11782..11910, 11782..11898,
12010..12147, 12012..12143, 12012..12182, 12014..12226,
12272..12469, 12272..12466, 12282..12473, 12283..12477,
12283..12477, 12581..12640, 12582..12641, 12582..12647,
12583..12648, 12748..12774

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13355	Strand	
Start	9392	End	12774
Name	OJ000208_26.0302.C3.o2.tw	Method	TBLASTX:Wheat
Start	9408	End	10197
GI	none	Score	202
Exons	9408..9536, 9410..9529, 9537..9599, 9539..9601, 10162..10197		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13355	Strand	
Start	9392	End	12774
Name	OJ000208_26.0302.C3.o3.ts	Method	TBLASTX:Soybean
Start	9410	End	11046
GI	none	Score	212
Exons	9410..9598, 9411..9599, 10138..10200, 10163..10231, 10164..10232, 10298..10465, 10327..10464, 10328..10465, 10335..10475, 10875..11045, 10881..11045, 10882..11046, 10882..11046		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13355	Strand	
Start	9392	End	12774
Name	OJ000208_26.0302.C3.o1.ts	Method	TBLASTX:Soybean
Start	11047	End	12774
GI	none	Score	111
Exons	11047..11130, 11049..11129, 11478..11702, 11479..11712, 11480..11701, 11523..11744, 11781..11879, 11781..11894, 11782..11910, 12013..12147, 12014..12226, 12030..12209, 12272..12472, 12283..12465, 12585..12647, 12586..12648, 12748..12774, 12748..12774		

Seq. No.	6348	Seq. ID	OJ000208_26.0302.C3
Gene No.	13355	Strand	
Start	9392	End	12774
Name	OJ000208_26.0302.C3.o1.tw	Method	TBLASTX:Wheat
Start	12059	End	12648
GI	none	Score	211
Exons	12059..12226, 12059..12190, 12245..12472, 12272..12472, 12283..12477, 12283..12477, 12580..12648, 12582..12647		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13356	Strand	+
Start	3334	End	4823
Name	OJ000208_26.0302.C4.o1.gp	Method	AAT/GAP
Start	3108	End	3697
GI	29900_1.R1084	Score	1107
Exons	3108..3697		
GI Descrip.	'4263771/gb|AAD15432| 5.0e-21 (AC006218) putative nonspecific lipid-transfer protein precursor [Arabidopsis thaliana]		

>gi_4726121_gb_AAD28321.1_AC006436_12 (AC006436) putative nonspecific lipid-transfer protein precursor [Arabidopsis thaliana]'

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13356	Strand	+
Start	3334	End	4823
Name	OJ000208_26.0302.C4.o2.gs	Method	GENSCAN
Start	3334	End	4823
GI	none	Score	.73
Exons	3334..3697, 3828..3860, 4618..4823		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13357	Strand	+
Start	14798	End	17754
Name	OJ000208_26.0302.C4.o4.gp	Method	AAT/GAP
Start	14798	End	17754
GI	15371_1.R1084	Score	2516
Exons	14798..15220, 16771..16842, 16933..17754		
GI Descrip.	'2924772 3.0e-62 (AC002334) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13357	Strand	+
Start	14798	End	17754
Name	OJ000208_26.0302.C4.o1.np	Method	AAT/NAP
Start	15006	End	17074
GI	2924772	Score	543
Exons	15006..15220, 16771..16842, 16933..17074		
GI Descrip.	(AC002334) unknown protein [Arabidopsis thaliana]		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13358	Strand	+
Start	22496	End	26758
Name	OJ000208_26.0302.C4.o6.gs	Method	GENSCAN
Start	22496	End	26758
GI	none	Score	.42
Exons	22496..22719, 24793..24877, 25140..25261, 26396..26568, 26628..26758		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13359	Strand	+
Start	27068	End	30880
Name	OJ000208_26.0302.C4.o7.gs	Method	GENSCAN
Start	27068	End	30672
GI	none	Score	.64
Exons	27068..27281, 27419..27488, 27617..27732, 28568..29201, 30421..30512, 30653..30672		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13359	Strand	+
Start	27068	End	30880
Name	OJ000208_26.0302.C4.o2.np	Method	AAT/NAP
Start	27080	End	30880
GI	4063743	Score	209
Exons	27080..27286, 27400..27488, 27617..27732, 30855..30880		
GI Descrip.	(AC005851) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13360	Strand	+
Start	36432	End	40203
Name	OJ000208_26.0302.C4.o6.gp	Method	AAT/GAP
Start	36362	End	38352
GI	uC-osf1M202048a11b1	Score	992
Exons	36362..36725, 37586..37710, 38306..38352		
GI Descrip.	'4726122/gb|AAD28322.1|AC006436_13 1.0e-28 (AC006436) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13360	Strand	+
Start	36432	End	40203
Name	OJ000208_26.0302.C4.o4.np	Method	AAT/NAP
Start	36420	End	38939
GI	4263770	Score	747
Exons	36420..36725, 37586..37705, 38313..38620, 38717..38939		
GI Descrip.	(AC006218) unknown protein [Arabidopsis thaliana]		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13360	Strand	+
Start	36432	End	40203
Name	OJ000208_26.0302.C4.o9.gs	Method	GENSCAN
Start	36432	End	37193
GI	none	Score	.67
Exons	36432..36725, 37176..37193		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13360	Strand	+
Start	36432	End	40203
Name	OJ000208_26.0302.C4.o10.gs	Method	GENSCAN
Start	38541	End	40203
GI	none	Score	.92
Exons	38541..38620, 38717..38886, 39011..39357, 40198..40203		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13361	Strand	-
Start	517	End	1613
Name	OJ000208_26.0302.C4.o1.gs	Method	GENSCAN
Start	517	End	1613
GI	none	Score	.89
Exons	517..978, 1488..1613		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13362	Strand	-
Start	5505	End	6374
Name	OJ000208_26.0302.C4.o2.gp	Method	AAT/GAP
Start	5473	End	6374
GI	2643_2.R1084	Score	1075
Exons	5473..5672, 5780..5908, 6010..6153, 6242..6374		
GI Descrip.	'4490317/emb|CAB38808.1| 2.0e-35 (AL035678) putative protein [Arabidopsis thaliana]'		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13362	Strand	-
Start	5505	End	6374

Name	OJ000208_26.0302.C4.o3.gs	Method	GENSCAN
Start	5505	End	6355
GI	none	Score	.84
Exons	5505..5672, 5780..5908, 6010..6153, 6242..6355		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13363	Strand	-
Start	7339	End	9949
Name	OJ000208_26.0302.C4.o4.gs	Method	GENSCAN
Start	7339	End	9949
GI	none	Score	.75
Exons	7339..7355, 7411..7532, 8420..8481, 8984..9949		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13363	Strand	-
Start	7339	End	9949
Name	OJ000208_26.0302.C4.o3.gp	Method	AAT/GAP
Start	7464	End	9659
GI	none	Score	1560
Exons	7464..7498, 8133..8202, 8420..8481, 8984..9659		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o2.tc	Method	TBLASTX:Cress
Start	3454	End	3693
GI	none	Score	249
Exons	3454..3693, 3474..3677		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o4.ts	Method	TBLASTX:Soybean
Start	3454	End	3693
GI	none	Score	257
Exons	3454..3693, 3480..3689		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o1.tm	Method	TBLASTX:Maize
Start	5518	End	9106
GI	none	Score	97
Exons	5518..5682, 5520..5672, 5547..5684, 5557..5673, 5759..5911, 5763..5912, 6010..6180, 6017..6148, 6242..6316, 6242..6358, 6246..6359, 6355..6411, 6358..6411, 6362..6418, 7407..7505, 7409..7501, 8130..8204, 8990..9106		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o3.ts	Method	TBLASTX:Soybean
Start	5538	End	5906
GI	none	Score	67
Exons	5538..5660, 5547..5675, 5557..5673, 5783..5905, 5783..5905, 5784..5906		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o5.ts	Method	TBLASTX:Soybean
Start	6028	End	7501
GI	none	Score	110
Exons	6028..6180, 6029..6193, 6239..6319, 6286..6348, 6355..6411, 6431..6490, 7407..7496, 7409..7501, 7412..7501		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o6.tm	Method	TBLASTX:Maize
Start	9107	End	9692
GI	none	Score	106
Exons	9107..9310, 9107..9310, 9107..9241, 9111..9236, 9387..9473, 9387..9470, 9450..9548, 9555..9692, 9566..9670		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o5.tm	Method	TBLASTX:Maize
Start	14991	End	16846
GI	none	Score	347
Exons	14991..15221, 14996..15235, 16758..16841, 16766..16846, 16771..16842		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o1.tc	Method	TBLASTX:Cress
Start	14993	End	17041
GI	none	Score	335
Exons	14993..15217, 14994..15221, 16778..16852, 16780..16842, 16930..16971, 16931..16996, 16972..17007, 16979..17008, 17012..17041		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o2.ts	Method	TBLASTX:Soybean
Start	15002	End	17101
GI	none	Score	357
Exons	15002..15217, 15003..15221, 16754..16837, 16765..16842, 16772..16846, 16930..17076, 16931..17062, 16931..17101, 16932..17090		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o7.tm	Method	TBLASTX:Maize
Start	16930	End	17259
GI	none	Score	202
Exons	16930..17082, 16931..17083, 17108..17143, 17110..17142, 17215..17259, 17226..17258		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4

Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o8.gs	Method	GENSCAN
Start	33353	End	35914
GI	none	Score	.82
Exons	33353..33626, 33735..33830, 33907..34019, 34101..34355, 34446..34796, 35407..35537, 35647..35914		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o3.np	Method	AAT/NAP
Start	33374	End	36514
GI	4006820	Score	670
Exons	33374..33626, 33735..33830, 33901..34014, 34090..34355, 34446..34726, 35430..35537, 35647..35818, 36338..36514		
GI Descrip.	(AC005970) putative serine carboxypeptidase II [Arabidopsis thaliana]		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o1.ts	Method	TBLASTX:Soybean
Start	33395	End	35818
GI	none	Score	73
Exons	33395..33529, 33396..33521, 33521..33628, 33737..33805, 33927..34010, 34125..34232, 34239..34355, 34443..34640, 34444..34710, 34674..34721, 35437..35538, 35438..35539, 35628..35795, 35645..35818		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o3.tm	Method	TBLASTX:Maize
Start	33395	End	35838
GI	none	Score	80
Exons	33395..33628, 33447..33629, 33737..33814, 33936..34025, 34137..34229, 34239..34355, 34443..34691, 34501..34692, 34674..34721, 34678..34722, 35432..35539, 35437..35538, 35628..35795, 35645..35809, 35773..35838		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o5.gp	Method	AAT/GAP
Start	33442	End	34794
GI	29266_1.R1084	Score	1834
Exons	33442..33626, 33735..33830, 33907..34019, 34101..34355, 34446..34794		
GI Descrip.	'1706082/sp|P52711|CP23_HORVU 2.0e-69 SERINE CARBOXYPEPTIDASE II-3 PRECURSOR (CP-MII.3) >gi_629787_pir__S44191 serine-type carboxypeptidase (EC 3.4.16.1) II-3 - barley >gi_619350_bbs_153536 CP-MII.3=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 516 aa] >gi_474392_emb_CAA55478.1_ (X78877) serine carboxylase II-3 [Hordeum vulgare]'		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o4.tc	Method	TBLASTX:Cress
Start	33536	End	34631
GI	none	Score	63
Exons	33536..33628, 33737..33811, 33909..33938, 33939..34010, 34110..34361, 34488..34631, 34501..34563		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13364	Strand	-
Start	33353	End	36514
Name	OJ000208_26.0302.C4.o3.tc	Method	TBLASTX:Cress
Start	34569	End	35821
GI	none	Score	74
Exons	34569..34607, 34674..34721, 35432..35539, 35437..35538, 35645..35674, 35693..35821		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13365	Strand	
Start	37595	End	38749
Name	OJ000208_26.0302.C4.o2.tm	Method	TBLASTX:Maize
Start	37595	End	38749
GI	none	Score	179
Exons	37595..37711, 37597..37707, 38303..38617, 38303..38620, 38304..38618, 38714..38749, 38715..38747, 38716..38748		

Seq. No.	6349	Seq. ID	OJ000208_26.0302.C4
Gene No.	13366	Strand	
Start	39033	End	39331
Name	OJ000208_26.0302.C4.o4.tm	Method	TBLASTX:Maize
Start	39033	End	39331
GI	none	Score	354
Exons	39033..39326, 39034..39330, 39035..39331		

Seq. No.	6350	Seq. ID	OJ000208_26.0302.C5
Gene No.	13367	Strand	+
Start	1475	End	3482
Name	OJ000208_26.0302.C5.o1.np	Method	AAT/NAP
Start	1475	End	3482
GI	6573771	Score	392
Exons	1475..1536, 2905..3368, 3399..3482		
GI Descrip.	(AC009243) F28K19.29 [Arabidopsis thaliana]		

Seq. No.	6350	Seq. ID	OJ000208_26.0302.C5
Gene No.	13367	Strand	+
Start	1475	End	3482
Name	OJ000208_26.0302.C5.o1.gp	Method	AAT/GAP
Start	2501	End	2900
GI	none	Score	738
Exons	2501..2900		

Seq. No.	6350	Seq. ID	OJ000208_26.0302.C5
Gene No.	13367	Strand	+
Start	1475	End	3482
Name	OJ000208_26.0302.C5.o1.tc	Method	TBLASTX:Cress
Start	2912	End	3179

GI	none	Score	331
Exons	2912..3103, 2913..3125, 3129..3179		

Seq. No.	6350	Seq. ID	OJ000208_26.0302.C5
Gene No.	13367	Strand	+
Start	1475	End	3482
Name	OJ000208_26.0302.C5.o1.ts	Method	TBLASTX:Soybean
Start	2912	End	3476
GI	none	Score	316
Exons	2912..3124, 2913..3125, 3129..3179, 3347..3469, 3417..3476		

Seq. No.	6350	Seq. ID	OJ000208_26.0302.C5
Gene No.	13367	Strand	+
Start	1475	End	3482
Name	OJ000208_26.0302.C5.o1.tm	Method	TBLASTX:Maize
Start	2919	End	3179
GI	none	Score	397
Exons	2919..3179, 2919..3080, 2921..3172, 3089..3163		

Seq. No.	6350	Seq. ID	OJ000208_26.0302.C5
Gene No.	13367	Strand	+
Start	1475	End	3482
Name	OJ000208_26.0302.C5.o1.tw	Method	TBLASTX:Wheat
Start	2925	End	3095
GI	none	Score	190
Exons	2925..3095, 2925..3074		

Seq. No.	6351	Seq. ID	OJ000208_26.0302.C6
Gene No.	13368	Strand	-
Start	3588	End	3995
Name	OJ000208_26.0302.C6.o2.gs	Method	GENSCAN
Start	3588	End	3995
GI	none	Score	1
Exons	3588..3995		

Seq. No.	6352	Seq. ID	OJ000208_26.0302.C7
Gene No.	13369	Strand	+
Start	210	End	323
Name	OJ000208_26.0302.C7.o1.gs	Method	GENSCAN
Start	210	End	323
GI	none	Score	.61
Exons	210..323		

Seq. No.	6352	Seq. ID	OJ000208_26.0302.C7
Gene No.	13370	Strand	+
Start	1292	End	4744
Name	OJ000208_26.0302.C7.o1.np	Method	AAT/NAP
Start	1292	End	4744
GI	6587864	Score	344
Exons	1292..1318, 3682..3956, 4147..4309, 4706..4744		
GI Descrip.	(AC012680) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	6352	Seq. ID	OJ000208_26.0302.C7
Gene No.	13370	Strand	+
Start	1292	End	4744
Name	OJ000208_26.0302.C7.o2.gs	Method	GENSCAN
Start	2521	End	4309

GI	none	Score	.89
Exons	2521..3956, 4147..4309		

Seq. No.	6353	Seq. ID	OJ000208_26.0302.C8
Gene No.	13371	Strand	-
Start	2588	End	3084
Name	OJ000208_26.0302.C8.o1.gp	Method	AAT/GAP
Start	2397	End	2896
GI	uC-osflcyp172b11a1	Score	758
Exons	2397..2752, 2860..2896		
GI Descrip.	'623586 3.0e-16 (L29273) putative [Nicotiana tabacum]'		

Seq. No.	6353	Seq. ID	OJ000208_26.0302.C8
Gene No.	13371	Strand	-
Start	2588	End	3084
Name	OJ000208_26.0302.C8.o1.tm	Method	TBLASTX:Maize
Start	2539	End	2955
GI	none	Score	93
Exons	2539..2589, 2577..2666, 2582..2656, 2583..2753, 2603..2755, 2653..2754, 2823..2942, 2860..2955, 2860..2952		

Seq. No.	6353	Seq. ID	OJ000208_26.0302.C8
Gene No.	13371	Strand	-
Start	2588	End	3084
Name	OJ000208_26.0302.C8.o1.tc	Method	TBLASTX:Cress
Start	2567	End	2968
GI	none	Score	86
Exons	2567..2617, 2663..2749, 2667..2750, 2675..2755, 2849..2968, 2860..2952		

Seq. No.	6353	Seq. ID	OJ000208_26.0302.C8
Gene No.	13371	Strand	-
Start	2588	End	3084
Name	OJ000208_26.0302.C8.o2.gs	Method	GENSCAN
Start	2588	End	2950
GI	none	Score	.81
Exons	2588..2752, 2860..2950		

Seq. No.	6353	Seq. ID	OJ000208_26.0302.C8
Gene No.	13371	Strand	-
Start	2588	End	3084
Name	OJ000208_26.0302.C8.o1.np	Method	AAT/NAP
Start	2591	End	3084
GI	3341681	Score	172
Exons	2591..2752, 2860..2967, 3055..3084		
GI Descrip.	(AC003672) putative small GTP-binding protein [Arabidopsis thaliana] gi|741994|prf||2008312A GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	6353	Seq. ID	OJ000208_26.0302.C8
Gene No.	13371	Strand	-
Start	2588	End	3084
Name	OJ000208_26.0302.C8.o1.ts	Method	TBLASTX:Soybean
Start	2663	End	2968
GI	none	Score	99
Exons	2663..2749, 2667..2747, 2849..2968, 2860..2952		

Seq. No.	6354	Seq. ID	OJ000208_26.0302.C9
Gene No.	13372	Strand	+
Start	1943	End	6372
Name	OJ000208_26.0302.C9.o2.gs	Method	GENSCAN
Start	1943	End	6372
GI	none	Score	.59
Exons	1943..1999, 2606..2800, 2869..3123, 4172..4329, 5273..5354, 5377..5843, 6189..6372		

Seq. No.	6354	Seq. ID	OJ000208_26.0302.C9
Gene No.	13373	Strand	-
Start	1	End	1474
Name	OJ000208_26.0302.C9.o1.np	Method	AAT/NAP
Start	1	End	1268
GI	3341681	Score	469
Exons	1..205, 454..546, 938..1008, 1149..1268		
GI Descrip.	(AC003672) putative small GTP-binding protein [Arabidopsis thaliana] gi|741994|prf||2008312A GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	6354	Seq. ID	OJ000208_26.0302.C9
Gene No.	13373	Strand	-
Start	1	End	1474
Name	OJ000208_26.0302.C9.o1.gs	Method	GENSCAN
Start	98	End	1268
GI	none	Score	.98
Exons	98..209, 955..1066, 1149..1268		

Seq. No.	6354	Seq. ID	OJ000208_26.0302.C9
Gene No.	13373	Strand	-
Start	1	End	1474
Name	OJ000208_26.0302.C9.o1.gp	Method	AAT/GAP
Start	779	End	1474
GI	uC-osflcyp172b11b1	Score	1064
Exons	779..1008, 1149..1474		
GI Descrip.	'4567198/gb|AAD23614.1|AC007168_5 8.0e-25 (AC007168) putative GTP-binding protein [Arabidopsis thaliana]'		

Seq. No.	6354	Seq. ID	OJ000208_26.0302.C9
Gene No.	13374	Strand	-
Start	6480	End	8052
Name	OJ000208_26.0302.C9.o1.tm	Method	TBLASTX:Maize
Start	88	End	1264
GI	none	Score	146
Exons	88..213, 89..208, 453..575, 462..548, 463..588, 937..1011, 938..1009, 1144..1224, 1149..1247, 1149..1247, 1150..1260, 1199..1264		

Seq. No.	6354	Seq. ID	OJ000208_26.0302.C9
Gene No.	13374	Strand	-
Start	6480	End	8052
Name	OJ000208_26.0302.C9.o3.gs	Method	GENSCAN
Start	6480	End	8052
GI	none	Score	.49
Exons	6480..6616, 6884..6942, 7874..8052		

Seq. No.	6355	Seq. ID	OJ000208_26.0302.C10

Gene No.	13375	Strand	+
Start	607	End	1042
Name	OJ000208_26.0302.C10.o1.gs	Method	GENSCAN
Start	607	End	865
GI	none	Score	.99
Exons	607..865		

Seq. No.	6355	Seq. ID	OJ000208_26.0302.C10
Gene No.	13375	Strand	+
Start	607	End	1042
Name	OJ000208_26.0302.C10.o1.np	Method	AAT/NAP
Start	607	End	1042
GI	2842704	Score	153
Exons	607..869, 941..1042		
GI Descrip.	HYPOTHETICAL 73.3 KD PROTEIN C6G9.14 IN CHROMOSOME I gi|1644326|emb|CAB03616.1| (Z81317) serine rich pumilio family rna binding domain pr otein [Schizosaccharomyces pombe]		

Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	210	End	573
GI	none	Score	179
Exons	210..572, 219..572, 223..573		

Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	219	End	644
GI	none	Score	238
Exons	219..581, 219..644, 223..612		

Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o1.np	Method	AAT/NAP
Start	225	End	1019
GI	4512237	Score	1291
Exons	225..1019		
GI Descrip.	(AB014746) polyprotein [Hordeum vulgare]		

Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o1.gs	Method	GENSCAN
Start	252	End	808
GI	none	Score	.94
Exons	252..808		

Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	393	End	638
GI	none	Score	90

Exons	393..638, 394..621		
Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	579	End	926
GI	none	Score	130
Exons	579..926, 580..792		
Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	645	End	947
GI	none	Score	186
Exons	645..947, 651..944, 661..945		
Seq. No.	6356	Seq. ID	OJ990531_33.9819.C1
Gene No.	13376	Strand	-
Start	252	End	1019
Name	OJ990531_33.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	660	End	995
GI	none	Score	120
Exons	660..932, 660..995, 661..951		
Seq. No.	6357	Seq. ID	OJ990531_33.9819.C2
Gene No.	13377	Strand	+
Start	612	End	735
Name	OJ990531_33.9819.C2.o1.gs	Method	GENSCAN
Start	612	End	735
GI	none	Score	.48
Exons	612..735		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13378	Strand	+
Start	1057	End	2618
Name	OJ990531_33.9819.C3.o1.gs	Method	GENSCAN
Start	1057	End	2618
GI	none	Score	.94
Exons	1057..1104, 1809..2618		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13379	Strand	+
Start	2856	End	11621
Name	OJ990531_33.9819.C3.o2.np	Method	AAT/NAP
Start	2856	End	11621
GI	4680179	Score	5283
Exons	2856..3938, 3972..4431, 8637..11621		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13379	Strand	+
Start	2856	End	11621
Name	OJ990531_33.9819.C3.o3.gp	Method	AAT/GAP
Start	7578	End	7960
GI	uC-osflcyp033a04b1	Score	660

Exons	7578..7960		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13379	Strand	+
Start	2856	End	11621
Name	OJ990531_33.9819.C3.o4.gs	Method	GENSCAN
Start	8965	End	11486
GI	none	Score	.62
Exons	8965..9376, 9455..11486		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13380	Strand	-
Start	822	End	4578
Name	OJ990531_33.9819.C3.o1.np	Method	AAT/NAP
Start	822	End	4578
GI	4680186	Score	289
Exons	822..1020, 1512..1565, 4559..4578		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13380	Strand	-
Start	822	End	4578
Name	OJ990531_33.9819.C3.o2.gp	Method	AAT/GAP
Start	889	End	988
GI	uC-osf1cyp033a04b1	Score	169
Exons	889..988		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13381	Strand	-
Start	7005	End	8375
Name	OJ990531_33.9819.C3.o9.tw	Method	TBLASTX:Wheat
Start	3069	End	3307
GI	none	Score	214
Exons	3069..3095, 3108..3305, 3110..3307		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13381	Strand	-
Start	7005	End	8375
Name	OJ990531_33.9819.C3.o6.tw	Method	TBLASTX:Wheat
Start	3341	End	3692
GI	none	Score	294
Exons	3341..3535, 3342..3692		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13381	Strand	-
Start	7005	End	8375
Name	OJ990531_33.9819.C3.o6.tm	Method	TBLASTX:Maize
Start	3342	End	3647
GI	none	Score	230
Exons	3342..3647, 3356..3472		
Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13381	Strand	-

Start	7005	End	8375
Name	OJ990531_33.9819.C3.o8.tw	Method	TBLASTX:Wheat
Start	3999	End	4366
GI	none	Score	157
Exons	3999..4208, 4055..4207, 4252..4365, 4253..4366		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13381	Strand	-
Start	7005	End	8375
Name	OJ990531_33.9819.C3.o3.gs	Method	GENSCAN
Start	7005	End	8375
GI	none	Score	.8
Exons	7005..7111, 7558..7651, 8307..8375		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13382	Strand	
Start	8755	End	9654
Name	OJ990531_33.9819.C3.o5.tm	Method	TBLASTX:Maize
Start	8755	End	9141
GI	none	Score	257
Exons	8755..9141, 8763..8858, 8925..9083		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13382	Strand	
Start	8755	End	9654
Name	OJ990531_33.9819.C3.o4.tw	Method	TBLASTX:Wheat
Start	8781	End	9267
GI	none	Score	52
Exons	8781..9224, 8785..8835, 8889..9011, 8890..9267		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13382	Strand	
Start	8755	End	9654
Name	OJ990531_33.9819.C3.o3.tm	Method	TBLASTX:Maize
Start	9154	End	9654
GI	none	Score	162
Exons	9154..9333, 9162..9281, 9340..9654, 9480..9524, 9561..9611		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13382	Strand	
Start	8755	End	9654
Name	OJ990531_33.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	9208	End	9603
GI	none	Score	57
Exons	9208..9240, 9210..9239, 9244..9603, 9246..9281, 9312..9602		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13382	Strand	
Start	8755	End	9654
Name	OJ990531_33.9819.C3.o5.tw	Method	TBLASTX:Wheat
Start	9316	End	9618
GI	none	Score	364
Exons	9316..9618, 9318..9602, 9319..9612		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13383	Strand	
Start	9619	End	10053

Name	OJ990531_33.9819.C3.o3.tw	Method	TBLASTX:Wheat
Start	9619	End	10044
GI	none	Score	596
Exons	9619..10044, 9651..10040, 9682..10044		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13383	Strand	
Start	9619	End	10053
Name	OJ990531_33.9819.C3.o3.ts	Method	TBLASTX:Soybean
Start	9625	End	9870
GI	none	Score	211
Exons	9625..9870, 9642..9869		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13383	Strand	
Start	9619	End	10053
Name	OJ990531_33.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	9690	End	10053
GI	none	Score	481
Exons	9690..10040, 9691..10044, 9691..10053		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o2.tw	Method	TBLASTX:Wheat
Start	10075	End	10611
GI	none	Score	654
Exons	10075..10611, 10131..10610		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	10318	End	10635
GI	none	Score	90
Exons	10318..10491, 10492..10635, 10494..10634		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	10399	End	10659
GI	none	Score	296
Exons	10399..10659, 10404..10658		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o4.tm	Method	TBLASTX:Maize
Start	10457	End	10749
GI	none	Score	81
Exons	10457..10612, 10458..10745, 10459..10749		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o1.tw	Method	TBLASTX:Wheat

Start	10618	End	11244
GI	none	Score	697
Exons	10618..11244, 10674..11132, 10990..11241		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	10798	End	11397
GI	none	Score	231
Exons	10798..10959, 10806..10952, 10957..11397, 10959..11381		

Seq. No.	6358	Seq. ID	OJ990531_33.9819.C3
Gene No.	13384	Strand	
Start	10075	End	11576
Name	OJ990531_33.9819.C3.o7.tw	Method	TBLASTX:Wheat
Start	11244	End	11576
GI	none	Score	250
Exons	11244..11471, 11245..11472, 11472..11576		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13385	Strand	+
Start	2259	End	4011
Name	OJ990531_33.9819.C4.o2.np	Method	AAT/NAP
Start	2259	End	4011
GI	6907087	Score	1094
Exons	2259..2628, 2673..3358, 3910..4011		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13386	Strand	+
Start	6068	End	12759
Name	OJ990531_33.9819.C4.o6.np	Method	AAT/NAP
Start	6068	End	11562
GI	4680179	Score	3088
Exons	6068..6141, 9273..11562		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13386	Strand	+
Start	6068	End	12759
Name	OJ990531_33.9819.C4.o3.gs	Method	GENSCAN
Start	9134	End	12759
GI	none	Score	.46
Exons	9134..9332, 9385..9677, 9725..10211, 10334..11548, 12347..12759		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13387	Strand	+
Start	13608	End	13794
Name	OJ990531_33.9819.C4.o5.gp	Method	AAT/GAP
Start	13608	End	13794
GI	uC-osf1cyp033a04b1	Score	279
Exons	13608..13794		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13388	Strand	+
Start	17857	End	19183
Name	OJ990531_33.9819.C4.o10.np	Method	AAT/NAP
Start	17857	End	19183
GI	5852178	Score	451
Exons	17857..17930, 18339..18565, 18597..18712, 19089..19183		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13389	Strand	+
Start	20293	End	20468
Name	OJ990531_33.9819.C4.o6.gp	Method	AAT/GAP
Start	20293	End	20468
GI	LIB3433-026-P1-K1-C1	Score	250
Exons	20293..20468		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13390	Strand	+
Start	26341	End	28433
Name	OJ990531_33.9819.C4.o11.np	Method	AAT/NAP
Start	26341	End	28433
GI	6691716	Score	1514
Exons	26341..27106, 27304..27910, 27985..28433		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13390	Strand	+
Start	26341	End	28433
Name	OJ990531_33.9819.C4.o6.gs	Method	GENSCAN
Start	26341	End	28310
GI	none	Score	.53
Exons	26341..26508, 27194..27368, 27440..27496, 27806..27910, 27985..28310		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13391	Strand	-
Start	1	End	6692
Name	OJ990531_33.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	1898
GI	4680186	Score	141
Exons	1..152, 643..698, 1841..1898		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13391	Strand	-
Start	1	End	6692
Name	OJ990531_33.9819.C4.o1.gs	Method	GENSCAN
Start	1493	End	3801
GI	none	Score	.77
Exons	1493..1549, 1645..1694, 2448..2674, 2815..3153, 3320..3642, 3724..3801		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13391	Strand	-
Start	1	End	6692
Name	OJ990531_33.9819.C4.o4.np	Method	AAT/NAP
Start	2451	End	6692
GI	5852180	Score	102
Exons	2451..2667, 3246..3531, 4699..4762, 6628..6692		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13391	Strand	-
Start	1	End	6692
Name	OJ990531_33.9819.C4.o2.gs	Method	GENSCAN
Start	3904	End	4513
GI	none	Score	.95
Exons	3904..4010, 4453..4513		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13391	Strand	-
Start	1	End	6692
Name	OJ990531_33.9819.C4.o3.np	Method	AAT/NAP
Start	4401	End	6350
GI	4680186	Score	212
Exons	4401..4604, 6183..6350		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13392	Strand	-
Start	8926	End	19872
Name	OJ990531_33.9819.C4.o5.np	Method	AAT/NAP
Start	8926	End	14248
GI	4544372	Score	37
Exons	8926..9063, 14225..14248		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13392	Strand	-
Start	8926	End	19872
Name	OJ990531_33.9819.C4.o7.np	Method	AAT/NAP
Start	12250	End	12684
GI	4680185	Score	487
Exons	12250..12684		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13392	Strand	-
Start	8926	End	19872
Name	OJ990531_33.9819.C4.o4.gs	Method	GENSCAN
Start	13093	End	17800
GI	none	Score	.49
Exons	13093..13139, 13588..13739, 14128..14181, 14914..15202, 15411..15520, 17688..17800		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13392	Strand	-

Start	8926	End	19872
Name	OJ990531_33.9819.C4.o8.np	Method	AAT/NAP
Start	13541	End	19665
GI	4680186	Score	353
Exons	13541..13741, 14870..14925, 19642..19665		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13392	Strand	-
Start	8926	End	19872
Name	OJ990531_33.9819.C4.o9.np	Method	AAT/NAP
Start	14985	End	19872
GI	6691193	Score	34
Exons	14985..15153, 19839..19872		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13393	Strand	-
Start	28599	End	36958
Name	OJ990531_33.9819.C4.o7.gs	Method	GENSCAN
Start	28599	End	32621
GI	none	Score	.52
Exons	28599..28617, 28977..29142, 29287..29526, 30436..30683, 31036..31096, 31165..31749, 31927..32085, 32570..32621		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13393	Strand	-
Start	28599	End	36958
Name	OJ990531_33.9819.C4.o7.gp	Method	AAT/GAP
Start	28651	End	29337
GI	5816477	Score	1006
Exons	28651..29337		
GI Descrip.	5902445/dbj|BAA84458.1| 8.0e-79 (AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13393	Strand	-
Start	28599	End	36958
Name	OJ990531_33.9819.C4.o12.np	Method	AAT/NAP
Start	28806	End	36272
GI	5922631	Score	6291
Exons	28806..31308, 31915..32002, 33705..35162, 35208..35398, 35657..35903, 36148..36272		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13393	Strand	-
Start	28599	End	36958
Name	OJ990531_33.9819.C4.o8.gs	Method	GENSCAN
Start	33693	End	36958
GI	none	Score	.59

Exons	33693..34037, 34220..34416, 34687..35502, 35641..35897, 35943..36146, 36148..36224, 36701..36958		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o7.tw	Method	TBLASTX:Wheat
Start	8920	End	29873
GI	none	Score	54
Exons	8920..9012, 29486..29872, 29487..29531, 29498..29671, 29562..29873		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	9330	End	31270
GI	none	Score	305
Exons	9330..9578, 9350..9577, 30986..31270		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o6.tm	Method	TBLASTX:Maize
Start	9342	End	31249
GI	none	Score	326
Exons	9342..9659, 9446..9658, 30905..31249		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o6.tw	Method	TBLASTX:Wheat
Start	9348	End	31327
GI	none	Score	141
Exons	9348..9593, 30903..31280, 30908..31327		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	9594	End	10018
GI	none	Score	139
Exons	9594..9719, 9626..9718, 9704..10018, 9706..10014, 9707..10018		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	9665	End	10027
GI	none	Score	66
Exons	9665..9733, 9666..9728, 9704..10018, 9706..10014, 9719..10027		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	10049	End	10551

GI	none	Score	188
Exons	10049..10282, 10093..10284, 10121..10294, 10255..10551, 10264..10545, 10293..10550		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	10344	End	10599
GI	none	Score	293
Exons	10344..10598, 10345..10599		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	10398	End	10689
GI	none	Score	106
Exons	10398..10601, 10398..10685, 10399..10689		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	10558	End	29401
GI	none	Score	688
Exons	10558..11184, 10614..11183, 29129..29227, 29255..29401		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	10738	End	11337
GI	none	Score	231
Exons	10738..10899, 10741..10893, 10897..11337, 10899..11321		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o9.tw	Method	TBLASTX:Wheat
Start	11184	End	11517
GI	none	Score	303
Exons	11184..11453, 11185..11517, 11197..11496		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o11.tw	Method	TBLASTX:Wheat
Start	15036	End	30898
GI	none	Score	75
Exons	15036..15131, 30623..30898, 30626..30889		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	21971	End	34177

GI	none	Score	58
Exons	21971..22333, 33879..33995, 34088..34177		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o9.tm	Method	TBLASTX:Maize
Start	28821	End	29062
GI	none	Score	96
Exons	28821..28922, 28825..28923, 28902..28976, 28976..29062		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	29552	End	29879
GI	none	Score	244
Exons	29552..29878, 29553..29879		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o5.tw	Method	TBLASTX:Wheat
Start	30182	End	30613
GI	none	Score	193
Exons	30182..30613, 30303..30608		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	30236	End	30622
GI	none	Score	76
Exons	30236..30478, 30333..30479, 30518..30622, 30519..30617		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o8.tm	Method	TBLASTX:Maize
Start	30287	End	30560
GI	none	Score	44
Exons	30287..30385, 30309..30368, 30389..30559, 30390..30560		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	31412	End	31769
GI	none	Score	192
Exons	31412..31768, 31434..31769		

Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o4.tw	Method	TBLASTX:Wheat
Start	31442	End	39375
GI	none	Score	254

Exons	31442..31897, 31443..31898, 39226..39375		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o5.ts	Method	TBLASTX:Soybean
Start	31493	End	31858
GI	none	Score	125
Exons	31493..31627, 31634..31858		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o8.tw	Method	TBLASTX:Wheat
Start	33817	End	34273
GI	none	Score	138
Exons	33817..34053, 33819..34055, 34085..34273, 34085..34273		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o10.tw	Method	TBLASTX:Wheat
Start	34577	End	34969
GI	none	Score	93
Exons	34577..34969, 34671..34853		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o7.tm	Method	TBLASTX:Maize
Start	36872	End	37241
GI	none	Score	93
Exons	36872..37063, 37116..37241, 37117..37224		
Seq. No.	6359	Seq. ID	OJ990531_33.9819.C4
Gene No.	13394	Strand	-
Start	39479	End	40015
Name	OJ990531_33.9819.C4.o13.np	Method	AAT/NAP
Start	39479	End	40015
GI	6623974	Score	214
Exons	39479..40015		
GI Descrip.	(AC007505) Similar to Athila ORF1 [Arabidopsis thaliana]		
Seq. No.	6360	Seq. ID	OJ990531_33.9819.C5
Gene No.	13395	Strand	+
Start	1	End	797
Name	OJ990531_33.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	797
GI	4680186	Score	243
Exons	1..63, 593..797		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	6360	Seq. ID	OJ990531_33.9819.C5
Gene No.	13395	Strand	+
Start	1	End	797
Name	OJ990531_33.9819.C5.o1.gs	Method	GENSCAN
Start	441	End	745

GI	none	Score	.53
Exons	441..493, 566..745		

Seq. No.	6360	Seq. ID	OJ990531_33.9819.C5
Gene No.	13396	Strand	-
Start	343	End	725
Name	OJ990531_33.9819.C5.o1.gp	Method	AAT/GAP
Start	343	End	725
GI	uC-osf1cyp033a04b1	Score	652
Exons	343..725		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	5756
GI	5257279	Score	3963
Exons	1..60, 2125..3869, 4086..4248, 4363..4965, 5736..5756		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o4.tw	Method	TBLASTX:Wheat
Start	2532	End	3014
GI	none	Score	511
Exons	2532..3014, 2543..2839, 2592..2981, 2867..3010		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	2598	End	3068
GI	none	Score	378
Exons	2598..3068		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	2955	End	3350
GI	none	Score	54
Exons	2955..2987, 2957..2986, 2985..3320, 2991..3350, 3062..3349		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o5.tw	Method	TBLASTX:Wheat
Start	3063	End	3365
GI	none	Score	395
Exons	3063..3365, 3063..3299, 3065..3349		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+

Start	1	End	5756
Name	OJ990531_33.9819.C6.o5.tm	Method	TBLASTX:Maize
Start	3069	End	3232
GI	none	Score	201
Exons	3069..3230, 3069..3224, 3074..3232		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	3236	End	3677
GI	none	Score	467
Exons	3236..3664, 3237..3677		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	3366	End	3869
GI	none	Score	611
Exons	3366..3869, 3375..3710, 3401..3787		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o3.ts	Method	TBLASTX:Soybean
Start	3372	End	3617
GI	none	Score	212
Exons	3372..3617		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o3.tw	Method	TBLASTX:Wheat
Start	3869	End	4358
GI	none	Score	580
Exons	3869..4354, 3870..4358		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	4059	End	4382
GI	none	Score	115
Exons	4059..4238, 4073..4186, 4239..4382, 4241..4381		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	4157	End	4403
GI	none	Score	278
Exons	4157..4402, 4158..4403		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756

Name	OJ990531_33.9819.C6.o4.tm	Method	TBLASTX:Maize
Start	4204	End	4496
GI	none	Score	67
Exons	4204..4392, 4208..4492, 4209..4496		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	4365	End	4992
GI	none	Score	514
Exons	4365..4844, 4367..4828, 4458..4859, 4830..4991, 4846..4992		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	4548	End	5133
GI	none	Score	207
Exons	4548..4706, 4550..4702, 4559..4717, 4703..4843, 4703..4834, 4704..4844, 4846..5133, 4872..5132		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o6.tw	Method	TBLASTX:Wheat
Start	4992	End	5325
GI	none	Score	350
Exons	4992..5213, 4993..5325, 5149..5322		

Seq. No.	6361	Seq. ID	OJ990531_33.9819.C6
Gene No.	13397	Strand	+
Start	1	End	5756
Name	OJ990531_33.9819.C6.o6.tm	Method	TBLASTX:Maize
Start	5133	End	5379
GI	none	Score	183
Exons	5133..5261, 5134..5379		

Seq. No.	6362	Seq. ID	OJ990531_33.9819.C7
Gene No.	13398	Strand	-
Start	319	End	406
Name	OJ990531_33.9819.C7.o1.gs	Method	GENSCAN
Start	319	End	406
GI	none	Score	.8
Exons	319..406		

Seq. No.	6363	Seq. ID	OJ990531_33.9819.C8
Gene No.	13399	Strand	-
Start	790	End	2353
Name	OJ990531_33.9819.C8.o1.gs	Method	GENSCAN
Start	790	End	2353
GI	none	Score	.46
Exons	790..951, 1680..1737, 1840..1905, 1978..2023, 2212..2353		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13400	Strand	+
Start	1	End	13792

Name	OJ990531_33.9819.C11.o4.np	Method	AAT/NAP
Start	1	End	13792
GI	4680183	Score	155
Exons	1..20, 13023..13093, 13703..13792		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13400	Strand	+
Start	1	End	13792
Name	OJ990531_33.9819.C11.o1.gs	Method	GENSCAN
Start	571	End	982
GI	none	Score	.76
Exons	571..882, 914..982		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13400	Strand	+
Start	1	End	13792
Name	OJ990531_33.9819.C11.o1.gp	Method	AAT/GAP
Start	2218	End	3113
GI	4107138	Score	1428
Exons	2218..3113		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13400	Strand	+
Start	1	End	13792
Name	OJ990531_33.9819.C11.o2.gs	Method	GENSCAN
Start	3082	End	7128
GI	none	Score	.59
Exons	3082..3160, 4027..4223, 4350..4557, 5244..5324, 6890..7128		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13400	Strand	+
Start	1	End	13792
Name	OJ990531_33.9819.C11.o2.np	Method	AAT/NAP
Start	3179	End	13469
GI	5852180	Score	590
Exons	3179..3229, 6760..6818, 7795..7912, 7964..8380, 13420..13469		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13400	Strand	+
Start	1	End	13792
Name	OJ990531_33.9819.C11.o3.np	Method	AAT/NAP
Start	9798	End	11169
GI	5852179	Score	494
Exons	9798..9818, 10661..10863, 10938..11169		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13401	Strand	+
Start	15048	End	15653
Name	OJ990531_33.9819.C11.o5.np	Method	AAT/NAP
Start	15048	End	15653
GI	6721559	Score	580
Exons	15048..15490, 15521..15653		

GI Descrip. (AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13402	Strand	+
Start	17700	End	28592
Name	OJ990531_33.9819.C11.o5.gs	Method	GENSCAN
Start	17700	End	27614
GI	none	Score	.45
Exons	17700..17774, 18078..18215, 18690..18804, 19490..20089, 20320..20402, 21140..21669, 21907..22172, 22794..22934, 23010..23197, 23597..23747, 23835..24202, 24338..24686, 25006..25275, 25546..26037, 26734..27614		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13402	Strand	+
Start	17700	End	28592
Name	OJ990531_33.9819.C11.o6.np	Method	AAT/NAP
Start	22618	End	28592
GI	4544372	Score	619
Exons	22618..22703, 24557..24758, 25132..26120, 26179..26428, 28562..28592		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13403	Strand	+
Start	29996	End	30300
Name	OJ990531_33.9819.C11.o5.gp	Method	AAT/GAP
Start	29996	End	30300
GI	83032_1.R1084	Score	461
Exons	29996..30300		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13404	Strand	+
Start	33269	End	35056
Name	OJ990531_33.9819.C11.o7.np	Method	AAT/NAP
Start	33269	End	35056
GI	6907087	Score	862
Exons	33269..33652, 33697..34402, 34955..35056		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13405	Strand	+
Start	35524	End	35906
Name	OJ990531_33.9819.C11.o8.gp	Method	AAT/GAP
Start	35524	End	35906
GI	uC-osf1cyp033a04b1	Score	664
Exons	35524..35906		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13406	Strand	-
Start	1	End	2118
Name	OJ990531_33.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	2118
GI	5852179	Score	239
Exons	1..43, 603..834, 908..1107, 2098..2118		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13407	Strand	-
Start	6667	End	7049
Name	OJ990531_33.9819.C11.o2.gp	Method	AAT/GAP
Start	6667	End	7049
GI	uC-osflcyp033a04b1	Score	692
Exons	6667..7049		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13408	Strand	-
Start	32361	End	32551
Name	OJ990531_33.9819.C11.o7.gp	Method	AAT/GAP
Start	32361	End	32551
GI	uC-osflcyp033a04b1	Score	324
Exons	32361..32551		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13409	Strand	-
Start	35453	End	35656
Name	OJ990531_33.9819.C11.o8.np	Method	AAT/NAP
Start	35453	End	35656
GI	4680186	Score	239
Exons	35453..35656		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	22892	End	23170
GI	none	Score	157
Exons	22892..23017, 22903..23016, 23042..23170, 23047..23163		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o4.ts	Method	TBLASTX:Soybean
Start	25245	End	25613
GI	none	Score	130
Exons	25245..25463, 25479..25613		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-

Start	36614	End	36808
Name	OJ990531_33.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	25407	End	25816
GI	none	Score	578
Exons	25407..25814, 25415..25816, 25424..25816		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	25467	End	25682
GI	none	Score	308
Exons	25467..25682, 25469..25600, 25471..25644, 25536..25682		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	25683	End	26141
GI	none	Score	589
Exons	25683..26141, 25684..25935, 25685..26140		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	25830	End	26301
GI	none	Score	220
Exons	25830..26111, 25865..26122, 26117..26299, 26155..26301		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	25833	End	26215
GI	none	Score	194
Exons	25833..26117, 25887..26045, 26156..26215, 26158..26211		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o3.ts	Method	TBLASTX:Soybean
Start	26616	End	27011
GI	none	Score	231
Exons	26616..27011, 26717..26911		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	26625	End	26990
GI	none	Score	69
Exons	26625..26771, 26766..26990		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808

Name	OJ990531_33.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	26771	End	27131
GI	none	Score	178
Exons	26771..26947, 26772..27131		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	27162	End	27578
GI	none	Score	91
Exons	27162..27302, 27354..27578		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	27354	End	27599
GI	none	Score	248
Exons	27354..27599, 27398..27484, 27560..27595		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o5.tm	Method	TBLASTX:Maize
Start	27372	End	27611
GI	none	Score	93
Exons	27372..27449, 27435..27503, 27501..27611		

Seq. No.	6364	Seq. ID	OJ990531_33.9819.C11
Gene No.	13410	Strand	-
Start	36614	End	36808
Name	OJ990531_33.9819.C11.o9.gp	Method	AAT/GAP
Start	36614	End	36808
GI	uC-osflcyp033a04b1	Score	323
Exons	36614..36808		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6365	Seq. ID	OJ990531_33.9819.C13
Gene No.	13411	Strand	+
Start	529	End	696
Name	OJ990531_33.9819.C13.o1.np	Method	AAT/NAP
Start	529	End	696
GI	2498930	Score	45
Exons	529..696		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	6365	Seq. ID	OJ990531_33.9819.C13
Gene No.	13411	Strand	+
Start	529	End	696
Name	OJ990531_33.9819.C13.o1.gs	Method	GENSCAN
Start	530	End	589
GI	none	Score	.81
Exons	530..589		

Seq. No.	6366	Seq. ID	OJ990421_28.9819.C1
Gene No.	13412	Strand	+
Start	1	End	573
Name	OJ990421_28.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	564
GI	4416302	Score	536
Exons	1..564		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	6366	Seq. ID	OJ990421_28.9819.C1
Gene No.	13412	Strand	+
Start	1	End	573
Name	OJ990421_28.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	31	End	543
GI	none	Score	551
Exons	31..543, 42..443, 175..513		

Seq. No.	6366	Seq. ID	OJ990421_28.9819.C1
Gene No.	13412	Strand	+
Start	1	End	573
Name	OJ990421_28.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	43	End	498
GI	none	Score	131
Exons	43..303, 322..498, 325..498		

Seq. No.	6366	Seq. ID	OJ990421_28.9819.C1
Gene No.	13412	Strand	+
Start	1	End	573
Name	OJ990421_28.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	55	End	573
GI	none	Score	197
Exons	55..294, 93..251, 313..573, 327..497		

Seq. No.	6366	Seq. ID	OJ990421_28.9819.C1
Gene No.	13412	Strand	+
Start	1	End	573
Name	OJ990421_28.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	178	End	498
GI	none	Score	86
Exons	178..309, 298..498		

Seq. No.	6367	Seq. ID	OJ990421_28.9819.C3
Gene No.	13413	Strand	+
Start	672	End	942
Name	OJ990421_28.9819.C3.o1.gs	Method	GENSCAN
Start	672	End	942
GI	none	Score	.4
Exons	672..942		

Seq. No.	6368	Seq. ID	OJ990421_28.9819.C4
Gene No.	13414	Strand	-
Start	279	End	417
Name	OJ990421_28.9819.C4.o1.gs	Method	GENSCAN
Start	279	End	417
GI	none	Score	.69
Exons	279..417		

Seq. No.	6369	Seq. ID	OJ990421_28.9819.C6
Gene No.	13415	Strand	-
Start	1	End	944
Name	OJ990421_28.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	944
GI	2072977	Score	160
Exons	1..420, 916..944		
GI Descrip.	(U93574) putative p150 [Homo sapiens]		

Seq. No.	6369	Seq. ID	OJ990421_28.9819.C6
Gene No.	13415	Strand	-
Start	1	End	944
Name	OJ990421_28.9819.C6.o2.np	Method	AAT/NAP
Start	1	End	944
GI	2191168	Score	160
Exons	1..52, 521..944		
GI Descrip.	(AF007270) contains similarity to myosin heavy chain [Arabidopsis thaliana]		

Seq. No.	6369	Seq. ID	OJ990421_28.9819.C6
Gene No.	13415	Strand	-
Start	1	End	944
Name	OJ990421_28.9819.C6.o1.gs	Method	GENSCAN
Start	408	End	875
GI	none	Score	.98
Exons	408..875		

Seq. No.	6369	Seq. ID	OJ990421_28.9819.C6
Gene No.	13415	Strand	-
Start	1	End	944
Name	OJ990421_28.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	537	End	833
GI	none	Score	107
Exons	537..695, 711..833		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13416	Strand	+
Start	201	End	8440
Name	OJ990421_28.9819.C8.o1.gs	Method	GENSCAN
Start	201	End	7954
GI	none	Score	.66
Exons	201..267, 912..1047, 1070..1164, 4552..4643, 5656..5733, 5813..5905, 6020..6079, 6186..6458, 6544..6618, 6873..7013, 7105..7155, 7232..7327, 7415..7498, 7669..7771, 7872..7954		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13416	Strand	+
Start	201	End	8440
Name	OJ990421_28.9819.C8.o1.gp	Method	AAT/GAP
Start	4588	End	6217
GI	155_1.R1084	Score	940
Exons	4588..4729, 5547..5733, 5813..5905, 6020..6079, 6186..6217		
GI Descrip.	'1709129/sp|P51139|MSK3_MEDSA 3.0e-27 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 >gi_481018_pir__S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa >gi_313148_emb_CAA48472_ (X68409) protein kinase [Medicago sativa]'		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13416	Strand	+
Start	201	End	8440
Name	OJ990421_28.9819.C8.o1.np	Method	AAT/NAP
Start	5614	End	7951
GI	2191169	Score	1478
Exons	5614..5730, 5813..5953, 6011..6079, 6186..6458, 6544..6618, 6737..6811, 6842..7013, 7105..7155, 7232..7327, 7415..7498, 7669..7782, 7859..7951		
GI Descrip.	(AF007270) Similar to shaggy related protein kinase. Belongs to the CDC2/CDKX subfamily [Arabidopsis thaliana]		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13416	Strand	+
Start	201	End	8440
Name	OJ990421_28.9819.C8.o2.gp	Method	AAT/GAP
Start	6384	End	8440
GI	13125_1.R1084	Score	2109
Exons	6384..6458, 6544..6618, 6737..6793, 6873..7013, 7105..7155, 7232..7327, 7415..7498, 7669..7771, 7872..8440		
GI Descrip.	'1709129/sp|P51139|MSK3_MEDSA 1.0e-135 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 >gi_481018_pir__S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa >gi_313148_emb_CAA48472_ (X68409) protein kinase [Medicago sativa]'		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13417	Strand	+
Start	20911	End	29104
Name	OJ990421_28.9819.C8.o3.gs	Method	GENSCAN
Start	20911	End	26068
GI	none	Score	.45
Exons	20911..20964, 21215..21421, 21474..23628, 24062..24157, 24743..25235, 25237..25423, 25964..26068		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13417	Strand	+
Start	20911	End	29104
Name	OJ990421_28.9819.C8.o2.np	Method	AAT/NAP
Start	21997	End	29104
GI	6498441	Score	3074
Exons	21997..23061, 23392..23628, 27648..27834, 27898..28271, 28454..28592, 28921..29104		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13417	Strand	+
Start	20911	End	29104
Name	OJ990421_28.9819.C8.o3.gp	Method	AAT/GAP
Start	26527	End	26908
GI	uC-osf1cyp033a04b1	Score	671
Exons	26527..26908		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8

Gene No.	13417	Strand	+
Start	20911	End	29104
Name	OJ990421_28.9819.C8.o4.gs	Method	GENSCAN
Start	26705	End	28588
GI	none	Score	.68
Exons	26705..26776, 27617..27751, 27898..28271, 28454..28588		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	5543	End	7960
GI	none	Score	46
Exons	5543..5602, 5547..5588, 5590..5733, 5601..5723, 5611..5736, 5810..5935, 5812..5904, 6016..6078, 6017..6079, 6182..6457, 6184..6459, 6186..6461, 6499..6621, 6533..6619, 6542..6625, 6543..6620, 6716..6796, 6732..6800, 6736..6804, 6872..7012, 6873..7013, 7104..7157, 7104..7157, 7114..7158, 7224..7328, 7229..7330, 7229..7330, 7231..7341, 7406..7522, 7409..7498, 7413..7499, 7432..7521, 7669..7770, 7671..7769, 7672..7794, 7870..7959, 7871..7960, 7874..7960		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	5680	End	7971
GI	none	Score	66
Exons	5680..5736, 5683..5727, 5810..5935, 5812..5904, 6016..6078, 6017..6079, 6027..6080, 6182..6454, 6183..6458, 6184..6444, 6186..6461, 6499..6621, 6559..6618, 6566..6625, 6716..6796, 6736..6804, 6796..6873, 6872..6988, 6872..7012, 6873..7013, 6873..7013, 7056..7157, 7104..7157, 7114..7158, 7224..7328, 7229..7330, 7231..7326, 7406..7522, 7409..7453, 7432..7497, 7672..7797, 7678..7770, 7870..7971, 7871..7948		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	5785	End	7933
GI	none	Score	83
Exons	5785..5904, 5795..5950, 6016..6078, 6017..6079, 6018..6080, 6019..6090, 6182..6427, 6183..6458, 6185..6454, 6186..6461, 6499..6621, 6543..6620, 6548..6625, 6716..6796, 6736..6804, 6868..6987, 6872..6991, 6872..7012, 6873..7013, 6873..7013, 7104..7157, 7114..7158, 7229..7330, 7229..7327, 7231..7329, 7406..7501, 7409..7480, 7672..7788, 7675..7761, 7870..7932, 7871..7933		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	5837	End	6461
GI	none	Score	57
Exons	5837..5950, 6017..6079, 6019..6081, 6019..6078, 6160..6456,		

6182..6460, 6184..6456, 6186..6461

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o6.tw	Method	TBLASTX:Wheat
Start	7229	End	7933
GI	none	Score	185
Exons	7229..7330, 7229..7327, 7231..7329, 7406..7501, 7409..7498, 7617..7661, 7672..7764, 7871..7933		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o2.gs	Method	GENSCAN
Start	8892	End	20305
GI	none	Score	.68
Exons	8892..10190, 10493..10569, 11559..11658, 12557..12654, 12897..12990, 13075..13188, 13578..13624, 13827..13856, 15056..15098, 16533..16824, 17819..17875, 17940..18006, 18212..18335, 20150..20305		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	8952	End	9740
GI	none	Score	305
Exons	8952..9740, 8953..9246, 8982..9710, 9295..9723		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	9054	End	9695
GI	none	Score	110
Exons	9054..9239, 9061..9099, 9064..9246, 9099..9509, 9307..9501, 9492..9614, 9612..9680, 9624..9695		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13418	Strand	-
Start	8892	End	20305
Name	OJ990421_28.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	9462	End	9866
GI	none	Score	105
Exons	9462..9602, 9633..9866, 9634..9813		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13419	Strand	
Start	22149	End	22538
Name	OJ990421_28.9819.C8.o4.tw	Method	TBLASTX:Wheat
Start	22149	End	22538
GI	none	Score	54
Exons	22149..22193, 22200..22298, 22217..22297, 22265..22504, 22281..22538		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8

Gene No.	13419	Strand	
Start	22149	End	22538
Name	OJ990421_28.9819.C8.o5.tm	Method	TBLASTX:Maize
Start	22188	End	22436
GI	none	Score	191
Exons	22188..22436, 22190..22435		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13420	Strand	
Start	23276	End	27703
Name	OJ990421_28.9819.C8.o5.tw	Method	TBLASTX:Wheat
Start	23276	End	27703
GI	none	Score	298
Exons	23276..23449, 23277..23621, 23277..23606, 23471..23620, 27617..27703		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13421	Strand	
Start	27906	End	28391
Name	OJ990421_28.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	27906	End	28364
GI	none	Score	584
Exons	27906..28355, 27907..28359, 27907..28362, 28122..28364		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13421	Strand	
Start	27906	End	28391
Name	OJ990421_28.9819.C8.o4.ts	Method	TBLASTX:Soybean
Start	27946	End	28311
GI	none	Score	117
Exons	27946..28170, 28177..28311		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13421	Strand	
Start	27906	End	28391
Name	OJ990421_28.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	28036	End	28391
GI	none	Score	329
Exons	28036..28341, 28071..28349, 28353..28391		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13422	Strand	
Start	28367	End	28699
Name	OJ990421_28.9819.C8.o3.tw	Method	TBLASTX:Wheat
Start	28367	End	28679
GI	none	Score	62
Exons	28367..28471, 28368..28679, 28376..28666		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8
Gene No.	13422	Strand	
Start	28367	End	28699
Name	OJ990421_28.9819.C8.o4.tm	Method	TBLASTX:Maize
Start	28418	End	28699
GI	none	Score	281
Exons	28418..28699, 28422..28697		

Seq. No.	6370	Seq. ID	OJ990421_28.9819.C8

Gene No.	13422	Strand	
Start	28367	End	28699
Name	OJ990421_28.9819.C8.o3.ts	Method	TBLASTX:Soybean
Start	28464	End	28688
GI	none	Score	209
Exons	28464..28688, 28472..28687		

Seq. No.	6371	Seq. ID	OJ990421_28.9819.C10
Gene No.	13423	Strand	+
Start	515	End	733
Name	OJ990421_28.9819.C10.o1.np	Method	AAT/NAP
Start	515	End	733
GI	2498930	Score	46
Exons	515..578, 711..733		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13424	Strand	+
Start	1881	End	2255
Name	OJ990421_28.9819.C11.o2.gp	Method	AAT/GAP
Start	1881	End	2255
GI	none	Score	706
Exons	1881..2255		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13425	Strand	+
Start	9037	End	9915
Name	OJ990421_28.9819.C11.o3.gs	Method	GENSCAN
Start	9037	End	9915
GI	none	Score	.64
Exons	9037..9123, 9482..9755, 9773..9915		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13426	Strand	+
Start	17434	End	18273
Name	OJ990421_28.9819.C11.o5.gs	Method	GENSCAN
Start	17434	End	18273
GI	none	Score	.95
Exons	17434..18273		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13427	Strand	+
Start	19835	End	20208
Name	OJ990421_28.9819.C11.o6.gs	Method	GENSCAN
Start	19835	End	20208
GI	none	Score	.68
Exons	19835..19862, 20135..20208		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13428	Strand	+
Start	21572	End	22650
Name	OJ990421_28.9819.C11.o7.gs	Method	GENSCAN
Start	21572	End	22650
GI	none	Score	.78
Exons	21572..21670, 22040..22175, 22340..22650		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13429	Strand	-
Start	2124	End	8232
Name	OJ990421_28.9819.C11.o1.gs	Method	GENSCAN
Start	2124	End	4048
GI	none	Score	.73
Exons	2124..2948, 3824..4048		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13429	Strand	-
Start	2124	End	8232
Name	OJ990421_28.9819.C11.o1.np	Method	AAT/NAP
Start	2624	End	8232
GI	6016874	Score	2164
Exons	2624..2760, 3872..4008, 4141..4274, 5345..5583, 6033..6395, 6513..6692, 7086..7245, 7636..7868, 7933..8070, 8154..8232		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13429	Strand	-
Start	2124	End	8232
Name	OJ990421_28.9819.C11.o3.gp	Method	AAT/GAP
Start	2814	End	4073
GI	51932_1.R1084	Score	711
Exons	2814..2948, 3824..4073		
GI Descrip.	'1781328/emb|CAA71491| 1.0e-14 (Y10465) peroxidase [Spinacia oleracea]'		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13429	Strand	-
Start	2124	End	8232
Name	OJ990421_28.9819.C11.o2.gs	Method	GENSCAN
Start	6052	End	8232
GI	none	Score	.78
Exons	6052..8232		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13429	Strand	-
Start	2124	End	8232
Name	OJ990421_28.9819.C11.o4.gp	Method	AAT/GAP
Start	7035	End	7543
GI	uC-osflcyp110c07b1	Score	958
Exons	7035..7543		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13430	Strand	-
Start	11470	End	16163
Name	OJ990421_28.9819.C11.o4.gs	Method	GENSCAN
Start	11470	End	16163
GI	none	Score	.75
Exons	11470..11499, 13760..13959, 14021..14180, 14377..14438, 14753..14867, 14919..15016, 15450..15814, 15820..16163		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	2124	End	21543
GI	none	Score	75
Exons	2124..2183, 2187..2357, 2427..2456, 2544..2684, 2548..2625, 2718..2846, 2719..2859, 2835..2954, 2923..2949, 3825..3923, 3827..3931, 17404..17646, 17464..17604, 17522..17656, 17522..17659, 17614..17943, 17675..17941, 17917..18225, 17945..18235, 21418..21543, 21419..21541		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	2472	End	21543
GI	none	Score	97
Exons	2472..2819, 2820..2954, 3824..3913, 17806..18081, 18016..18225, 21421..21543		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	2536	End	21543
GI	none	Score	58
Exons	2536..2616, 2547..2774, 2719..2742, 2760..2855, 2829..2954, 2836..2949, 3827..3922, 17806..18030, 17807..17875, 17954..18001, 18025..18225, 18041..18091, 21418..21543		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	6118	End	6361
GI	none	Score	97
Exons	6118..6351, 6203..6361		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o5.tm	Method	TBLASTX:Maize
Start	6473	End	6825
GI	none	Score	136
Exons	6473..6814, 6544..6825		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	7030	End	7344
GI	none	Score	106
Exons	7030..7257, 7031..7249, 7270..7344		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11

Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	7438	End	7884
GI	none	Score	112
Exons	7438..7476, 7471..7533, 7534..7812, 7604..7789, 7798..7884		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o5.gp	Method	AAT/GAP
Start	16960	End	17579
GI	none	Score	1203
Exons	16960..17579		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o2.np	Method	AAT/NAP
Start	17416	End	21615
GI	4760700	Score	450
Exons	17416..18219, 21418..21615		
GI Descrip.	(AB024437) peroxidase 1 [Scutellaria baicalensis]		

Seq. No.	6372	Seq. ID	OJ990421_28.9819.C11
Gene No.	13431	Strand	-
Start	16960	End	21753
Name	OJ990421_28.9819.C11.o6.gp	Method	AAT/GAP
Start	17957	End	21753
GI	25231_1.R1084	Score	1062
Exons	17957..18219, 21418..21753		
GI Descrip.	'3928088 8.0e-26 (AC005770) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13432	Strand	+
Start	2412	End	7536
Name	OJ990421_28.9819.C12.o1.gs	Method	GENSCAN
Start	2412	End	7536
GI	none	Score	.9
Exons	2412..2460, 2968..3075, 3105..3860, 4946..5755, 5841..6055, 6146..6409, 6921..7076, 7174..7273, 7415..7536		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13432	Strand	+
Start	2412	End	7536
Name	OJ990421_28.9819.C12.o1.np	Method	AAT/NAP
Start	3272	End	7275
GI	2191168	Score	628
Exons	3272..3662, 3693..3985, 4901..5778, 5810..6055, 6146..6409, 6921..7275		
GI Descrip.	(AF007270) contains similarity to myosin heavy chain [Arabidopsis thaliana]		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13432	Strand	+
Start	2412	End	7536

Name	OJ990421_28.9819.C12.o1.gp	Method	AAT/GAP
Start	5375	End	5880
GI	568359	Score	810
Exons	5375..5755, 5841..5880		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13433	Strand	+
Start	16244	End	19089
Name	OJ990421_28.9819.C12.o4.gs	Method	GENSCAN
Start	16244	End	18741
GI	none	Score	.49
Exons	16244..16246, 16722..16788, 17434..17635, 17850..18741		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13433	Strand	+
Start	16244	End	19089
Name	OJ990421_28.9819.C12.o3.np	Method	AAT/NAP
Start	17427	End	19089
GI	6539588	Score	232
Exons	17427..17710, 19058..19089		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13434	Strand	-
Start	9401	End	11557
Name	OJ990421_28.9819.C12.o2.gp	Method	AAT/GAP
Start	9343	End	10498
GI	27475_1.R1084	Score	1740
Exons	9343..9983, 10073..10308, 10422..10498		
GI Descrip.	'3643085/gb|AAC36698| 4.0e-50 (AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]'		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13434	Strand	-
Start	9401	End	11557
Name	OJ990421_28.9819.C12.o2.np	Method	AAT/NAP
Start	9398	End	11494
GI	3643085	Score	999
Exons	9398..9983, 10073..10308, 10422..10602, 11403..11494		
GI Descrip.	(AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13434	Strand	-
Start	9401	End	11557
Name	OJ990421_28.9819.C12.o2.gs	Method	GENSCAN
Start	9401	End	11557
GI	none	Score	.73
Exons	9401..9983, 10073..10308, 10422..10613, 11420..11557		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13435	Strand	-
Start	11463	End	11756
Name	OJ990421_28.9819.C12.o3.gp	Method	AAT/GAP
Start	11463	End	11756
GI	none	Score	449
Exons	11463..11756		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o3.tc	Method	TBLASTX:Cress
Start	3350	End	3646
GI	none	Score	107
Exons	3350..3472, 3488..3646		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	4955	End	5517
GI	none	Score	62
Exons	4955..5044, 4958..5044, 5041..5187, 5042..5185, 5045..5263, 5046..5264, 5088..5267, 5230..5268, 5245..5289, 5327..5506, 5370..5507, 5371..5517		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	5843	End	6340
GI	none	Score	37
Exons	5843..5869, 5927..6058, 5936..6046, 6134..6340, 6145..6315		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	5960	End	7263
GI	none	Score	124
Exons	5960..6058, 5962..6054, 6133..6414, 6134..6400, 6923..6985, 6927..7064, 7171..7263		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	6135	End	7273
GI	none	Score	301
Exons	6135..6410, 6139..6408, 6140..6418, 6920..7075, 6921..7082, 6921..7079, 7165..7257, 7165..7254, 7181..7273		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	9323	End	10604
GI	none	Score	62
Exons	9323..9463, 9401..9490, 9521..9616, 9525..9557, 9530..9601, 9593..9985, 9608..9991, 9615..10001, 9829..9990, 10069..10305, 10072..10308, 10073..10309, 10110..10313, 10419..10565, 10419..10604, 10420..10587		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12

Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	9413	End	10568
GI	none	Score	53
Exons	9413..9475, 9414..9467, 9522..10001, 9527..9985, 10072..10308, 10073..10309, 10419..10568, 10420..10566		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	9525	End	10114
GI	none	Score	246
Exons	9525..9980, 9533..10000, 9533..9985, 10072..10113, 10076..10114		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	9587	End	9919
GI	none	Score	314
Exons	9587..9919, 9587..9919		

Seq. No.	6373	Seq. ID	OJ990421_28.9819.C12
Gene No.	13436	Strand	-
Start	12720	End	13833
Name	OJ990421_28.9819.C12.o3.gs	Method	GENSCAN
Start	12720	End	13833
GI	none	Score	.72
Exons	12720..12815, 13735..13833		

Seq. No.	6374	Seq. ID	OJ990421_28.9819.C13
Gene No.	13437	Strand	+
Start	362	End	612
Name	OJ990421_28.9819.C13.o1.gp	Method	AAT/GAP
Start	362	End	612
GI	51932_1.R1084	Score	435
Exons	362..612		
GI Descrip.	'1781328/emb|CAA71491| 1.0e-14 (Y10465) peroxidase [Spinacia oleracea]'		

Seq. No.	6374	Seq. ID	OJ990421_28.9819.C13
Gene No.	13437	Strand	+
Start	362	End	612
Name	OJ990421_28.9819.C13.o1.gs	Method	GENSCAN
Start	387	End	515
GI	none	Score	.47
Exons	387..515		

Seq. No.	6375	Seq. ID	OJ990501_20.9819.C1
Gene No.	13438	Strand	-
Start	1173	End	1629
Name	OJ990501_20.9819.C1.o1.gs	Method	GENSCAN
Start	1173	End	1629
GI	none	Score	.57
Exons	1173..1323, 1470..1629		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13439	Strand	+
Start	258	End	432
Name	OJ990501_20.9819.C2.o1.gs	Method	GENSCAN
Start	258	End	432
GI	none	Score	.97
Exons	258..432		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13440	Strand	+
Start	3405	End	9812
Name	OJ990501_20.9819.C2.o1.gp	Method	AAT/GAP
Start	3005	End	3439
GI	569176	Score	732
Exons	3005..3439		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13440	Strand	+
Start	3405	End	9812
Name	OJ990501_20.9819.C2.o2.gs	Method	GENSCAN
Start	3405	End	7197
GI	none	Score	.51
Exons	3405..3552, 3940..4092, 4121..4267, 4313..4723, 5887..6947, 7126..7197		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13440	Strand	+
Start	3405	End	9812
Name	OJ990501_20.9819.C2.o1.np	Method	AAT/NAP
Start	3426	End	9711
GI	6623883	Score	670
Exons	3426..3552, 3940..4092, 4313..4464, 4495..4723, 5069..5145, 5742..6206, 9678..9711		
GI Descrip.	(AC018722) putative two-component response regulator protein [Arabidopsis thaliana]		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13440	Strand	+
Start	3405	End	9812
Name	OJ990501_20.9819.C2.o2.gp	Method	AAT/GAP
Start	6586	End	6885
GI	2280643	Score	566
Exons	6586..6885		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13440	Strand	+
Start	3405	End	9812
Name	OJ990501_20.9819.C2.o3.gp	Method	AAT/GAP
Start	6872	End	7476
GI	3768839	Score	786
Exons	6872..6947, 7126..7476		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13440	Strand	+
Start	3405	End	9812
Name	OJ990501_20.9819.C2.o3.gs	Method	GENSCAN

Start	7975	End	9812
GI	none	Score	.95
Exons	7975..8280, 8565..9812		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13441	Strand	+
Start	11384	End	15237
Name	OJ990501_20.9819.C2.o4.np	Method	AAT/NAP
Start	11384	End	15237
GI	1903347	Score	389
Exons	11384..11412, 14617..15237		
GI Descrip.	(AC000104) EST gb|ATTS5672 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13441	Strand	+
Start	11384	End	15237
Name	OJ990501_20.9819.C2.o5.gp	Method	AAT/GAP
Start	12079	End	12383
GI	3107363	Score	594
Exons	12079..12383		
GI Descrip.	4263711/gb|AAD15397| 5.0e-28 (AC006223) putative CCR4-associated transcription factor [Arabidopsis thaliana]		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13442	Strand	-
Start	11728	End	12070
Name	OJ990501_20.9819.C2.o4.gp	Method	AAT/GAP
Start	11728	End	12070
GI	4715326	Score	635
Exons	11728..12070		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o5.tm	Method	TBLASTX:Maize
Start	3446	End	4470
GI	none	Score	167
Exons	3446..3550, 3447..3551, 3505..3561, 3933..4100, 3951..4091, 4312..4470, 4313..4462, 4314..4469		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	3455	End	5145
GI	none	Score	146
Exons	3455..3550, 3456..3551, 3933..4100, 3945..4088, 4311..4439, 4312..4467, 4312..4428, 4314..4433, 4558..4626, 4573..4722, 4635..4724, 5071..5145, 5071..5139		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	3455	End	4440
GI	none	Score	152

Exons	3455..3550, 3456..3551, 3933..4100, 3945..4091, 4312..4440, 4314..4439		
Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	3932	End	4118
GI	none	Score	210
Exons	3932..4096, 3939..4118, 3954..4097		
Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	5698	End	7280
GI	none	Score	83
Exons	5698..5829, 5723..5827, 5806..5919, 5820..5921, 5820..5924, 5870..5929, 5927..6031, 5928..6032, 6030..6056, 6063..6158, 6064..6186, 6065..6181, 6179..6277, 6179..6316, 6195..6317, 6266..6448, 6285..6563, 6286..6483, 6287..6574, 6485..6571, 6562..6678, 6564..6734, 6567..6722, 6773..6838, 6813..6947, 6848..6994, 7108..7164, 7110..7163, 7167..7196, 7168..7257, 7230..7280		
Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o4.tc	Method	TBLASTX:Cress
Start	8559	End	9086
GI	none	Score	218
Exons	8559..9086		
Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o7.tm	Method	TBLASTX:Maize
Start	8724	End	9068
GI	none	Score	192
Exons	8724..9068, 8724..8939, 8817..9014		
Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	8817	End	9347
GI	none	Score	215
Exons	8817..9218, 9240..9347		
Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o6.tm	Method	TBLASTX:Maize
Start	9633	End	9809
GI	none	Score	212
Exons	9633..9809, 9633..9806, 9634..9807		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	12144	End	12393
GI	none	Score	248
Exons	12144..12392, 12147..12392, 12148..12393		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o3.np	Method	AAT/NAP
Start	12148	End	12974
GI	6503290	Score	987
Exons	12148..12974		
GI Descrip.	(AC011713) Similar to gb|U21855 CCR4-associated factor 1 (CAF1) from Mus musculus. ESTs gb|AAA394972, gb|AA585812 and gb|H77015 come from this gene. [Arabidopsis thaliana]		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	12164	End	12953
GI	none	Score	112
Exons	12164..12427, 12165..12683, 12183..12677, 12699..12938, 12814..12864, 12849..12953		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	12164	End	12953
GI	none	Score	123
Exons	12164..12448, 12165..12683, 12169..12675, 12183..12677, 12699..12938, 12700..12765, 12814..12867, 12849..12953		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	12489	End	12947
GI	none	Score	148
Exons	12489..12626, 12490..12669, 12627..12938, 12631..12873, 12849..12947		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13443	Strand	-
Start	12148	End	12974
Name	OJ990501_20.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	12702	End	12941
GI	none	Score	56
Exons	12702..12791, 12703..12762, 12825..12938, 12849..12941		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13444	Strand	
Start	14643	End	15228

Name	OJ990501_20.9819.C2.o8.tm	Method	TBLASTX:Maize
Start	14643	End	14909
GI	none	Score	72
Exons	14643..14729, 14643..14729, 14656..14730, 14808..14909, 14809..14898		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13444	Strand	
Start	14643	End	15228
Name	OJ990501_20.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	14655	End	14895
GI	none	Score	100
Exons	14655..14717, 14656..14724, 14806..14895, 14808..14861		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13444	Strand	
Start	14643	End	15228
Name	OJ990501_20.9819.C2.o3.tc	Method	TBLASTX:Cress
Start	14805	End	15129
GI	none	Score	136
Exons	14805..14912, 14806..14901, 14976..15065, 14977..15129		

Seq. No.	6376	Seq. ID	OJ990501_20.9819.C2
Gene No.	13444	Strand	
Start	14643	End	15228
Name	OJ990501_20.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	14970	End	15228
GI	none	Score	311
Exons	14970..15074, 14971..15228, 15091..15183, 15114..15227		

Seq. No.	6377	Seq. ID	OJ990501_20.9819.C3
Gene No.	13445	Strand	-
Start	380	End	3041
Name	OJ990501_20.9819.C3.o1.gs	Method	GENSCAN
Start	380	End	2036
GI	none	Score	.46
Exons	380..524, 872..1558, 1594..2036		

Seq. No.	6377	Seq. ID	OJ990501_20.9819.C3
Gene No.	13445	Strand	-
Start	380	End	3041
Name	OJ990501_20.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	877	End	1083
GI	none	Score	106
Exons	877..1083, 878..1072		

Seq. No.	6377	Seq. ID	OJ990501_20.9819.C3
Gene No.	13445	Strand	-
Start	380	End	3041
Name	OJ990501_20.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	1306	End	1646
GI	none	Score	77
Exons	1306..1404, 1477..1578, 1578..1646		

Seq. No.	6377	Seq. ID	OJ990501_20.9819.C3
Gene No.	13445	Strand	-
Start	380	End	3041

Name	OJ990501_20.9819.C3.o1.np	Method	AAT/NAP
Start	1315	End	3041
GI	2459436	Score	179
Exons	1315..1809, 2977..3041		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13446	Strand	+
Start	3228	End	3667
Name	OJ990501_20.9819.C4.o3.np	Method	AAT/NAP
Start	3228	End	3667
GI	5281020	Score	305
Exons	3228..3440, 3570..3667		
GI Descrip.	(Z97339) ATP-dependent RNA helicase like protein [Arabidopsis thaliana]		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o1.np	Method	AAT/NAP
Start	85	End	1393
GI	5777617	Score	84
Exons	85..182, 1339..1393		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o1.gs	Method	GENSCAN
Start	802	End	2470
GI	none	Score	.68
Exons	802..2119, 2361..2470		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	817	End	1134
GI	none	Score	77
Exons	817..1014, 818..1012, 847..1014, 1045..1134, 1049..1126		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	1150	End	1666
GI	none	Score	93
Exons	1150..1251, 1285..1377, 1432..1602, 1436..1666		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	1156	End	1596
GI	none	Score	60
Exons	1156..1371, 1262..1369, 1423..1596, 1424..1591		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o2.np	Method	AAT/NAP
Start	1276	End	3667
GI	2459436	Score	229
Exons	1276..1759, 3645..3667		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	1300	End	1656
GI	none	Score	75
Exons	1300..1371, 1429..1656, 1436..1603		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	2462	End	2605
GI	none	Score	135
Exons	2462..2605, 2478..2570		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	3203	End	3451
GI	none	Score	329
Exons	3203..3442, 3204..3443, 3206..3451, 3207..3443		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	3222	End	3464
GI	none	Score	279
Exons	3222..3443, 3227..3442, 3252..3464		

Seq. No.	6378	Seq. ID	OJ990501_20.9819.C4
Gene No.	13447	Strand	-
Start	85	End	3667
Name	OJ990501_20.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	3242	End	3459
GI	none	Score	331
Exons	3242..3442, 3243..3443, 3243..3443, 3367..3459		

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13448	Strand	+
Start	1	End	3218
Name	OJ990501_20.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	2730
GI	5281020	Score	860
Exons	1..311, 632..783, 973..1150, 1280..1467, 1712..1916, 2403..2508, 2609..2730		

GI Descrip. (Z97339) ATP-dependent RNA helicase like protein [Arabidopsis thaliana]

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13448	Strand	+
Start	1	End	3218
Name	OJ990501_20.9819.C5.o1.gs	Method	GENSCAN
Start	64	End	3218
GI	none	Score	.91
Exons	64..311, 632..783, 973..1150, 1280..1467, 1712..1916, 2403..2508, 3202..3218		

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13449	Strand	-
Start	4183	End	7424
Name	OJ990501_20.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	58	End	1048
GI	none	Score	282
Exons	58..312, 59..313, 60..314, 620..718, 625..720, 631..711, 971..1039, 971..1048		

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13449	Strand	-
Start	4183	End	7424
Name	OJ990501_20.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	1112	End	1480
GI	none	Score	77
Exons	1112..1156, 1112..1159, 1173..1241, 1238..1339, 1238..1330, 1267..1338, 1314..1478, 1315..1368, 1316..1480, 1316..1474		

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13449	Strand	-
Start	4183	End	7424
Name	OJ990501_20.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	1118	End	1919
GI	none	Score	44
Exons	1118..1156, 1280..1465, 1709..1918, 1713..1919		

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13449	Strand	-
Start	4183	End	7424
Name	OJ990501_20.9819.C5.o2.gs	Method	GENSCAN
Start	4183	End	6284
GI	none	Score	.74
Exons	4183..4217, 4430..4495, 4765..5101, 6081..6284		

Seq. No.	6379	Seq. ID	OJ990501_20.9819.C5
Gene No.	13449	Strand	-
Start	4183	End	7424
Name	OJ990501_20.9819.C5.o2.np	Method	AAT/NAP
Start	4768	End	7424
GI	2980768	Score	306
Exons	4768..5051, 5937..5995, 6081..6146, 7222..7307, 7398..7424		

GI Descrip. (AL022198) putative protein [Arabidopsis thaliana]

Seq. No.	6380	Seq. ID	OJ990501_20.9819.C6
Gene No.	13450	Strand	-

Start	75	End	770
Name	OJ990501_20.9819.C6.o1.gs	Method	GENSCAN
Start	75	End	730
GI	none	Score	.49
Exons	75..217, 338..730		

Seq. No.	6380	Seq. ID	OJ990501_20.9819.C6
Gene No.	13450	Strand	-
Start	75	End	770
Name	OJ990501_20.9819.C6.o1.gp	Method	AAT/GAP
Start	154	End	770
GI	uC-osflcyp030f05b1	Score	962
Exons	154..217, 338..770		
GI Descrip.	'4263711/gb|AAD15397| 5.0e-28 (AC006223) putative CCR4-associated transcription factor [Arabidopsis thaliana]'		

Seq. No.	6380	Seq. ID	OJ990501_20.9819.C6
Gene No.	13451	Strand	-
Start	2012	End	3779
Name	OJ990501_20.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	334	End	697
GI	none	Score	37
Exons	334..354, 338..382, 359..496, 461..520, 501..521, 620..697, 621..695		

Seq. No.	6380	Seq. ID	OJ990501_20.9819.C6
Gene No.	13451	Strand	-
Start	2012	End	3779
Name	OJ990501_20.9819.C6.o2.gs	Method	GENSCAN
Start	2012	End	3779
GI	none	Score	.63
Exons	2012..2168, 3691..3779		

Seq. No.	6381	Seq. ID	OJ990501_20.9819.C7
Gene No.	13452	Strand	+
Start	656	End	2200
Name	OJ990501_20.9819.C7.o1.gs	Method	GENSCAN
Start	656	End	2200
GI	none	Score	.82
Exons	656..726, 1408..1489, 2027..2200		

Seq. No.	6381	Seq. ID	OJ990501_20.9819.C7
Gene No.	13453	Strand	+
Start	2823	End	6599
Name	OJ990501_20.9819.C7.o2.gs	Method	GENSCAN
Start	2823	End	6555
GI	none	Score	.63
Exons	2823..2966, 3616..3702, 4134..4319, 5052..5267, 5388..5440, 6311..6555		

Seq. No.	6381	Seq. ID	OJ990501_20.9819.C7
Gene No.	13453	Strand	+
Start	2823	End	6599
Name	OJ990501_20.9819.C7.o2.np	Method	AAT/NAP
Start	3453	End	6599
GI	4580457	Score	261
Exons	3453..3702, 4134..4352, 5052..5267, 5388..5534, 6220..6599		

GI Descrip.	(AC006081) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6381	Seq. ID	OJ990501_20.9819.C7
Gene No.	13454	Strand	-
Start	1	End	4054
Name	OJ990501_20.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	4054
GI	6063557	Score	78
Exons	1..93, 1644..1824, 4018..4054		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		
Seq. No.	6382	Seq. ID	OJ990501_20.9819.C8
Gene No.	13455	Strand	+
Start	279	End	329
Name	OJ990501_20.9819.C8.o1.gs	Method	GENSCAN
Start	279	End	329
GI	none	Score	.89
Exons	279..329		
Seq. No.	6383	Seq. ID	OJ990501_20.9819.C9
Gene No.	13456	Strand	-
Start	279	End	820
Name	OJ990501_20.9819.C9.o1.np	Method	AAT/NAP
Start	279	End	820
GI	425682	Score	113
Exons	279..410, 610..820		
GI Descrip.	extensin=nodule-specific proline-rich protein {clone VfNDS-E} [Vicia faba=broadbeans, root nodules, Peptide Partial, 116 aa]		
Seq. No.	6384	Seq. ID	OJ990501_20.9819.C11
Gene No.	13457	Strand	+
Start	5880	End	5980
Name	OJ990501_20.9819.C11.o1.gp	Method	AAT/GAP
Start	5880	End	5980
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	5880..5980		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	6384	Seq. ID	OJ990501_20.9819.C11
Gene No.	13458	Strand	-
Start	6720	End	7059
Name	OJ990501_20.9819.C11.o2.gs	Method	GENSCAN
Start	6720	End	7059
GI	none	Score	.68
Exons	6720..6803, 6857..6978, 7008..7059		
Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13459	Strand	+
Start	44	End	360
Name	OJ990501_20.9819.C12.o1.gp	Method	AAT/GAP
Start	44	End	360
GI	none	Score	546
Exons	44..360		
Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12

Gene No.	13460	Strand	-
Start	512	End	7623
Name	OJ990501_20.9819.C12.o1.gs	Method	GENSCAN
Start	512	End	7623
GI	none	Score	.77
Exons	512..784, 1037..1084, 1177..1413, 2137..2173, 3507..3785, 3959..4237, 6312..6477, 7515..7623		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13460	Strand	-
Start	512	End	7623
Name	OJ990501_20.9819.C12.o1.np	Method	AAT/NAP
Start	515	End	3817
GI	2980764	Score	965
Exons	515..784, 1037..1138, 1177..1413, 3486..3817		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	499	End	1417
GI	none	Score	61
Exons	499..555, 503..553, 507..554, 572..784, 576..788, 1036..1086, 1036..1086, 1037..1213, 1038..1091, 1165..1413, 1177..1416, 1178..1417, 1178..1417		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	560	End	3577
GI	none	Score	125
Exons	560..784, 609..788, 1037..1213, 1038..1085, 1165..1407, 1177..1416, 1184..1414, 2137..2187, 3509..3577		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	594	End	3821
GI	none	Score	134
Exons	594..731, 597..722, 617..751, 719..784, 1028..1087, 1050..1085, 1177..1416, 1184..1417, 2137..2187, 3509..3679, 3516..3680, 3734..3784, 3734..3817, 3795..3821		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	3536	End	3817
GI	none	Score	117
Exons	3536..3769, 3537..3704, 3752..3817		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258

Name	OJ990501_20.9819.C12.o2.gs	Method	GENSCAN
Start	8492	End	13258
GI	none	Score	.71
Exons	8492..8855, 9522..9601, 9790..9889, 9989..10215, 10415..12038, 12183..13258		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	9421	End	11113
GI	none	Score	100
Exons	9421..9606, 9421..9522, 9422..9607, 9423..9608, 9785..9865, 9787..9852, 9789..9860, 9846..9890, 9850..9891, 9851..9892, 9987..10130, 9988..10158, 9989..10216, 9989..10156, 10063..10176, 10160..10216, 10162..10218, 10163..10219, 10165..10236, 10412..10480, 10412..11113, 10422..11111, 10514..11113		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	10424	End	10831
GI	none	Score	73
Exons	10424..10519, 10425..10535, 10493..10771, 10494..10772, 10775..10831		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	11399	End	11912
GI	none	Score	58
Exons	11399..11443, 11400..11444, 11402..11458, 11404..11460, 11470..11823, 11482..11910, 11484..11912, 11492..11911, 11517..11912		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	11786	End	12016
GI	none	Score	198
Exons	11786..12016		

Seq. No.	6385	Seq. ID	OJ990501_20.9819.C12
Gene No.	13461	Strand	-
Start	8492	End	13258
Name	OJ990501_20.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	12356	End	12650
GI	none	Score	170
Exons	12356..12649, 12398..12643, 12486..12650		

Seq. No.	6386	Seq. ID	OJ990501_20.9819.C13
Gene No.	13462	Strand	-
Start	1	End	3418

Name	OJ990501_20.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	3418
GI	1817584	Score	385
Exons	1..44, 193..306, 1025..1151, 1955..2115, 2190..2235, 2427..2536, 3135..3418		
GI Descrip.	(Y08991) adaptor protein [Homo sapiens]		

Seq. No.	6386	Seq. ID	OJ990501_20.9819.C13
Gene No.	13462	Strand	-
Start	1	End	3418
Name	OJ990501_20.9819.C13.o1.gs	Method	GENSCAN
Start	204	End	3418
GI	none	Score	.82
Exons	204..243, 277..306, 1025..1104, 1955..2115, 2190..2235, 2427..2549, 3028..3102, 3218..3418		

Seq. No.	6386	Seq. ID	OJ990501_20.9819.C13
Gene No.	13463	Strand	-
Start	5965	End	9264
Name	OJ990501_20.9819.C13.o2.np	Method	AAT/NAP
Start	5534	End	6909
GI	4680492	Score	538
Exons	5534..5889, 6885..6909		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	6386	Seq. ID	OJ990501_20.9819.C13
Gene No.	13463	Strand	-
Start	5965	End	9264
Name	OJ990501_20.9819.C13.o2.gs	Method	GENSCAN
Start	5965	End	9264
GI	none	Score	.63
Exons	5965..6135, 7832..7969, 8856..8932, 9216..9264		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o1.gs	Method	GENSCAN
Start	1027	End	5658
GI	none	Score	.57
Exons	1027..1564, 1698..2003, 2625..3422, 3539..4516, 4836..5029, 5149..5658		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o2.np	Method	AAT/NAP
Start	1784	End	5984
GI	4544372	Score	554
Exons	1784..1838, 4950..5984		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o3.tm	Method	TBLASTX:Maize
Start	2723	End	3019

GI	none	Score	157
Exons	2723..2848, 2740..2847, 2873..3019, 2878..2994		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	4243	End	4593
GI	none	Score	191
Exons	4243..4593		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	5236	End	5644
GI	none	Score	607
Exons	5236..5643, 5253..5570, 5362..5592, 5546..5644		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	5296	End	5511
GI	none	Score	304
Exons	5296..5511, 5298..5510		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	5512	End	5940
GI	none	Score	545
Exons	5512..5940, 5512..5937, 5835..5939		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	5659	End	5958
GI	none	Score	216
Exons	5659..5958, 5694..5783, 5716..5901, 5859..5957		

Seq. No.	6387	Seq. ID	OJ990501_20.9819.C14
Gene No.	13464	Strand	+
Start	1027	End	5984
Name	OJ990501_20.9819.C14.o2.tw	Method	TBLASTX:Wheat
Start	5662	End	5940
GI	none	Score	181
Exons	5662..5940, 5716..5874		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13465	Strand	+
Start	329	End	3241
Name	OJ990501_20.9819.C15.o1.gs	Method	GENSCAN
Start	329	End	3241
GI	none	Score	.66

Exons	329..580, 674..1024, 1274..1949, 2593..2663, 3014..3241		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13465	Strand	+
Start	329	End	3241
Name	OJ990501_20.9819.C15.o1.np	Method	AAT/NAP
Start	387	End	2086
GI	4115365	Score	579
Exons	387..739, 800..1263, 1309..2086		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13466	Strand	+
Start	7980	End	8563
Name	OJ990501_20.9819.C15.o1.gp	Method	AAT/GAP
Start	7934	End	8563
GI	723_1.R1084	Score	730
Exons	7934..7982, 8080..8183, 8296..8563		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13466	Strand	+
Start	7980	End	8563
Name	OJ990501_20.9819.C15.o3.gs	Method	GENSCAN
Start	7980	End	8344
GI	none	Score	.97
Exons	7980..7982, 8080..8183, 8296..8344		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13466	Strand	+
Start	7980	End	8563
Name	OJ990501_20.9819.C15.o2.np	Method	AAT/NAP
Start	8077	End	8341
GI	1710551	Score	246
Exons	8077..8183, 8296..8341		
GI Descrip.	60S RIBOSOMAL PROTEIN L39 gi|1177369|emb|CAA64728.1| (X95458) ribosomal protein L39 [Zea mays]		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	23	End	451
GI	none	Score	70
Exons	23..109, 160..234, 161..451, 265..369		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	38	End	388
GI	none	Score	104
Exons	38..115, 145..231, 146..388, 271..384		
Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15

Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	1085	End	1483
GI	none	Score	82
Exons	1085..1264, 1259..1483		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o4.ts	Method	TBLASTX:Soybean
Start	1109	End	1504
GI	none	Score	242
Exons	1109..1504, 1184..1324, 1210..1404		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o3.tw	Method	TBLASTX:Wheat
Start	1655	End	2071
GI	none	Score	87
Exons	1655..1795, 1847..2071		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	1847	End	2092
GI	none	Score	247
Exons	1847..2092, 1891..1977, 2053..2088		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o3.np	Method	AAT/NAP
Start	7444	End	10528
GI	4539658	Score	114
Exons	7444..7513, 10223..10409, 10507..10528		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	7929	End	8530
GI	none	Score	51
Exons	7929..7958, 7934..7963, 8059..8184, 8079..8219, 8144..8185, 8292..8369, 8293..8367, 8294..8371, 8376..8405, 8495..8530		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	8071	End	8501
GI	none	Score	180
Exons	8071..8184, 8079..8219, 8080..8184, 8292..8342, 8293..8340,		

8294..8356, 8376..8405, 8376..8405, 8436..8501

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	8079	End	8344
GI	none	Score	167
Exons	8079..8186, 8080..8184, 8293..8340, 8294..8344		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	8079	End	8345
GI	none	Score	189
Exons	8079..8219, 8080..8184, 8273..8335, 8293..8340, 8294..8344, 8307..8345		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	9947	End	10181
GI	none	Score	108
Exons	9947..10063, 9947..10066, 10002..10079, 10051..10167, 10052..10180, 10059..10181, 10061..10180		

Seq. No.	6388	Seq. ID	OJ990501_20.9819.C15
Gene No.	13467	Strand	-
Start	7444	End	10528
Name	OJ990501_20.9819.C15.o4.np	Method	AAT/NAP
Start	10223	End	10528
GI	4539658	Score	102
Exons	10223..10409, 10507..10528		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13468	Strand	+
Start	372	End	2849
Name	OJ990501_20.9819.C16.o1.gp	Method	AAT/GAP
Start	372	End	586
GI	LIB3475-004-P1-K2-A5	Score	320
Exons	372..586		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13468	Strand	+
Start	372	End	2849
Name	OJ990501_20.9819.C16.o1.gs	Method	GENSCAN
Start	390	End	2849
GI	none	Score	.7
Exons	390..444, 1549..1666, 2738..2849		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16

Gene No.	13469	Strand	+
Start	7609	End	12442
Name	OJ990501_20.9819.C16.o3.gs	Method	GENSCAN
Start	7609	End	12189
GI	none	Score	.55
Exons	7609..7647, 7677..7760, 8875..8989, 9591..9741, 9812..9991, 10661..10678, 11761..11839, 11941..12044, 12141..12189		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13469	Strand	+
Start	7609	End	12442
Name	OJ990501_20.9819.C16.o2.gp	Method	AAT/GAP
Start	11774	End	12442
GI	723_4.R1084	Score	826
Exons	11774..11839, 11941..12044, 12141..12442		
GI Descrip.	'1710551/sp|P51425|RL39_MAIZE 7.0e-25 60S RIBOSOMAL PROTEIN L39 >gi_1177369_emb_CAA64728.1_ (X95458) ribosomal protein L39 [Zea mays]'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13470	Strand	+
Start	15225	End	19545
Name	OJ990501_20.9819.C16.o2.np	Method	AAT/NAP
Start	15222	End	19277
GI	1076663	Score	3927
Exons	15222..15272, 15353..17521, 17625..17690, 17898..18370, 19184..19277		
GI Descrip.	H+-transporting ATPase (EC 3.6.1.35) (clone PHA2) - potato gi|435001|emb|CAA54045| (X76535) H(+)-transporting ATPase [Solanum tuberosum]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13470	Strand	+
Start	15225	End	19545
Name	OJ990501_20.9819.C16.o4.gs	Method	GENSCAN
Start	15225	End	19280
GI	none	Score	.95
Exons	15225..15272, 15353..17521, 17625..17715, 17890..18370, 19184..19280		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13470	Strand	+
Start	15225	End	19545
Name	OJ990501_20.9819.C16.o4.gp	Method	AAT/GAP
Start	17361	End	18076
GI	uC-osf1M202052f05b1	Score	715
Exons	17361..17521, 17625..17690, 17898..18076		
GI Descrip.	'114335/sp|P19456|PMA2_ARATH 2.0e-47 PLASMA MEMBRANE ATPASE 2 (PROTON PUMP) >gi_67973_pir__PXMUP2 H+-transporting ATPase (EC 3.6.1.35) type 2, plasma membrane - Arabidopsis thaliana >gi_166629 (J05570) H+-ATPase [Arabidopsis thaliana] >gi_5730129_emb_CAB52463.1_ (AL109796) H+-transporting ATPase type 2, plasma membrane [Arabidopsis thaliana]'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13470	Strand	+
Start	15225	End	19545

Name	OJ990501_20.9819.C16.o5.gp	Method	AAT/GAP
Start	18080	End	19545
GI	36525_1.R1084	Score	1258
Exons	18080..18370, 19184..19545		
GI Descrip.	'1076511/pir||S52728 1.0e-49 H+-transporting ATPase (EC 3.6.1.35) - kidney bean >gi_758250_emb_CAA59799_ (X85804) H(+)-transporting ATPase [Phaseolus vulgaris]'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13471	Strand	+
Start	25696	End	38403
Name	OJ990501_20.9819.C16.o4.np	Method	AAT/NAP
Start	25696	End	29570
GI	2130091	Score	1900
Exons	25696..25761, 25865..25924, 26571..26765, 26842..26880, 26996..27085, 27215..27323, 27428..27537, 27769..27912, 27994..28160, 29036..29300, 29442..29570		
GI Descrip.	aspartate aminotransferase - proso millet gi|633095|dbj|BAA08106| (D45076) plastidic aspartate aminotransferase [Panicum miliaceum]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13471	Strand	+
Start	25696	End	38403
Name	OJ990501_20.9819.C16.o6.gs	Method	GENSCAN
Start	26589	End	37541
GI	none	Score	.48
Exons	26589..26765, 26996..27085, 27230..27323, 27428..27537, 27769..27912, 27994..28160, 29036..29300, 29442..29564, 31758..31895, 32945..34129, 34155..34225, 34411..34631, 35004..35363, 35751..35888, 36799..37541		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13471	Strand	+
Start	25696	End	38403
Name	OJ990501_20.9819.C16.o9.gp	Method	AAT/GAP
Start	27785	End	29657
GI	13944_1.R1084	Score	1267
Exons	27785..27912, 27994..28160, 29036..29300, 29442..29657		
GI Descrip.	'2130091/pir||S65675 1.0e-119 aspartate aminotransferase - proso millet >gi_633095_dbj_BAA08106_ (D45076) plastidic aspartate aminotransferase [Panicum miliaceum]'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13471	Strand	+
Start	25696	End	38403
Name	OJ990501_20.9819.C16.o5.np	Method	AAT/NAP
Start	31013	End	35389
GI	2961349	Score	1886
Exons	31013..31523, 32085..33322, 33776..35389		
GI Descrip.	(AL022140) LTR retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13471	Strand	+
Start	25696	End	38403
Name	OJ990501_20.9819.C16.o10.gp	Method	AAT/GAP

Start	37358	End	38403
GI	none	Score	1974
Exons	37358..38403		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13472	Strand	-
Start	1	End	459
Name	OJ990501_20.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	459
GI	4539658	Score	100
Exons	1..154, 334..459		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13473	Strand	-
Start	3701	End	5421
Name	OJ990501_20.9819.C16.o2.gs	Method	GENSCAN
Start	3701	End	5421
GI	none	Score	.5
Exons	3701..4136, 4251..4349, 5363..5421		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o11.ts	Method	TBLASTX:Soybean
Start	4028	End	4334
GI	none	Score	68
Exons	4028..4135, 4029..4136, 4256..4333, 4266..4334		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o12.tm	Method	TBLASTX:Maize
Start	4028	End	4357
GI	none	Score	57
Exons	4028..4135, 4029..4136, 4247..4306, 4256..4357		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o7.tm	Method	TBLASTX:Maize
Start	11920	End	12403
GI	none	Score	191
Exons	11920..12045, 11940..12047, 12136..12189, 12137..12241, 12138..12242, 12139..12243, 12243..12278, 12368..12403		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o6.tw	Method	TBLASTX:Wheat
Start	11932	End	12373
GI	none	Score	180
Exons	11932..12045, 11940..12047, 11941..12045, 12137..12187, 12137..12187, 12138..12188, 12139..12189, 12247..12276, 12249..12278, 12267..12338, 12284..12310, 12329..12373		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o10.ts	Method	TBLASTX:Soybean
Start	11940	End	12189
GI	none	Score	189
Exons	11940..12047, 11941..12045, 12138..12185, 12139..12189		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o6.tc	Method	TBLASTX:Cress
Start	11940	End	12189
GI	none	Score	167
Exons	11940..12047, 11941..12045, 12138..12185, 12139..12189		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o6.ts	Method	TBLASTX:Soybean
Start	15225	End	15766
GI	none	Score	57
Exons	15225..15278, 15352..15765, 15353..15766		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	15240	End	19279
GI	none	Score	50
Exons	15240..15272, 15352..15756, 15353..16927, 15853..16278, 16363..16911, 16931..17104, 16954..17088, 17086..17517, 17087..17521, 17624..17704, 17625..17705, 17895..18176, 17897..18043, 18177..18269, 18179..18265, 18273..18371, 18320..18382, 19175..19279, 19182..19271		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	15388	End	19279
GI	none	Score	2004
Exons	15388..15756, 15389..16927, 15656..15859, 15853..16278, 16280..16567, 16363..16911, 16910..17521, 16954..17517, 17624..17698, 17625..17705, 17894..18052, 17895..18176, 18095..18172, 18168..18269, 18182..18268, 18279..18371, 18302..18370, 19166..19279, 19182..19271		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	15503	End	16051
GI	none	Score	57
Exons	15503..15634, 15565..15756, 15566..16051, 15659..15883, 15853..16050		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	15767	End	16879
GI	none	Score	1486
Exons	15767..16879, 15853..16278, 16363..16866, 16736..16879		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o3.tw	Method	TBLASTX:Wheat
Start	16097	End	16357
GI	none	Score	385
Exons	16097..16357, 16099..16278, 16280..16354		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	16637	End	18041
GI	none	Score	416
Exons	16637..16927, 16639..16911, 16910..17521, 16954..17520, 17627..17698, 17631..17705, 17894..18040, 17895..18041		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o2.ts	Method	TBLASTX:Soybean
Start	16880	End	19280
GI	none	Score	75
Exons	16880..16927, 16882..16911, 16910..17521, 16951..17517, 17624..17704, 17625..17705, 17895..18176, 17897..18052, 18095..18172, 18168..18290, 18182..18265, 18273..18371, 18284..18382, 19166..19276, 19182..19271, 19185..19280		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o9.tw	Method	TBLASTX:Wheat
Start	18092	End	18290
GI	none	Score	114
Exons	18092..18172, 18093..18176, 18168..18290, 18182..18265		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o5.gs	Method	GENSCAN
Start	19969	End	25785
GI	none	Score	.91
Exons	19969..20052, 20134..20235, 20316..20445, 20977..21071, 21140..21235, 21354..21486, 21603..21694, 21779..21883, 22136..22270, 22356..22461, 22556..22683, 22795..22893, 23047..23163, 23238..23381, 23468..23651, 23674..23858, 24477..24548, 24732..24825, 24896..24967, 25730..25785		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16

Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o3.np	Method	AAT/NAP
Start	19972	End	23840
GI	3327389	Score	2204
Exons	19972..20052, 20134..20235, 20316..20445, 20609..20718, 20795..20885, 20977..21071, 21140..21235, 21354..21486, 21603..21694, 21779..21883, 21954..22031, 22136..22270, 22356..22466, 22552..22683, 22795..22893, 22984..23163, 23238..23381, 23468..23582, 23674..23840		
GI Descrip.	(AC004483) putative DNA replication licensing factor, mcm5 [Arabidopsis thaliana]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o2.tm	Method	TBLASTX:Maize
Start	20146	End	22878
GI	none	Score	136
Exons	20146..20238, 20147..20236, 20151..20240, 20316..20444, 20317..20454, 20317..20445, 20608..20721, 20609..20722, 20610..20726, 20795..20887, 20796..20888, 20797..20892, 20974..21090, 20974..21072, 20976..21080, 21140..21259, 21140..21238, 21332..21487, 21343..21489, 21345..21488, 21345..21494, 21355..21495, 21593..21694, 21606..21695, 21610..21696, 21780..21887, 21788..21886, 21954..22034, 21955..22032, 22136..22273, 22136..22270, 22137..22271, 22353..22460, 22354..22485, 22356..22463, 22543..22686, 22547..22684, 22558..22686, 22793..22876, 22794..22877, 22795..22878, 22795..22878		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o6.gp	Method	AAT/GAP
Start	20157	End	21195
GI	uC-osf1cyp037d09b1	Score	994
Exons	20157..20235, 20316..20445, 20609..20718, 20795..20885, 20977..21071, 21140..21195		
GI Descrip.	'3327389 3.0e-34 (AC004483) putative DNA replication licensing factor, mcm5 [Arabidopsis thaliana]'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o3.ts	Method	TBLASTX:Soybean
Start	20674	End	22189
GI	none	Score	62
Exons	20674..20721, 20675..20722, 20793..20888, 20795..20887, 20976..20993, 20997..21068, 21133..21237, 21137..21241, 21137..21238, 21345..21488, 21345..21494, 21355..21495, 21593..21694, 21606..21695, 21788..21886, 21789..21887, 21795..21887, 21954..22025, 21954..22034, 21955..22026, 22136..22189, 22137..22184		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-

Start	19969	End	25785
Name	OJ990501_20.9819.C16.o3.tc	Method	TBLASTX:Cress
Start	21161	End	22333
GI	none	Score	80
Exons	21161..21223, 21354..21488, 21373..21489, 21602..21682, 21602..21703, 21606..21710, 21788..21886, 21789..21887, 21954..22013, 21955..22005, 22136..22333		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o8.tw	Method	TBLASTX:Wheat
Start	21164	End	21682
GI	none	Score	94
Exons	21164..21235, 21355..21486, 21363..21488, 21593..21682, 21597..21680, 21605..21682		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o7.gp	Method	AAT/GAP
Start	21211	End	21672
GI	429006	Score	408
Exons	21211..21235, 21354..21486, 21603..21672		
GI Descrip.	3327389 3.0e-34 (AC004483) putative DNA replication licensing factor, mcm5 [Arabidopsis thaliana]		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o5.ts	Method	TBLASTX:Soybean
Start	22329	End	23053
GI	none	Score	66
Exons	22329..22463, 22338..22460, 22351..22461, 22561..22686, 22562..22684, 22741..22902, 22794..22916, 22795..22896, 22984..23052, 22985..23053		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o8.gp	Method	AAT/GAP
Start	23122	End	23908
GI	LIB3477-011-P1-K1-F8	Score	988
Exons	23122..23163, 23238..23381, 23468..23582, 23674..23908		
GI Descrip.	'3327389 2.0e-39 (AC004483) putative DNA replication licensing factor, mcm5 [Arabidopsis thaliana]'		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13474	Strand	-
Start	19969	End	25785
Name	OJ990501_20.9819.C16.o11.tm	Method	TBLASTX:Maize
Start	23673	End	23841
GI	none	Score	177
Exons	23673..23840, 23674..23841		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13475	Strand	

Start	26553	End	29678
Name	OJ990501_20.9819.C16.o3.tm	Method	TBLASTX:Maize
Start	26553	End	29678
GI	none	Score	322
Exons	26553..26765, 26553..26765, 26569..26766, 26570..26767, 26837..26875, 26840..26878, 26842..26880, 26993..27088, 26993..27082, 27214..27336, 27215..27337, 27427..27561, 27434..27541, 27768..27911, 27769..27912, 27979..28161, 27979..28176, 27993..28190, 29033..29293, 29034..29300, 29034..29300, 29035..29301, 29334..29354, 29384..29440, 29438..29572, 29439..29585, 29439..29573, 29614..29640, 29616..29642, 29619..29678		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13475	Strand	
Start	26553	End	29678
Name	OJ990501_20.9819.C16.o2.tc	Method	TBLASTX:Cress
Start	26568	End	29588
GI	none	Score	270
Exons	26568..26765, 26582..26734, 26596..26766, 26842..26880, 26855..26875, 26993..27088, 26993..27088, 27214..27336, 27215..27337, 27426..27533, 27427..27561, 27430..27537, 27765..27908, 27772..27912, 27979..28161, 27980..28147, 27993..28160, 29017..29094, 29033..29299, 29034..29300, 29034..29300, 29134..29301, 29259..29339, 29439..29588, 29441..29569		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13475	Strand	
Start	26553	End	29678
Name	OJ990501_20.9819.C16.o7.ts	Method	TBLASTX:Soybean
Start	26576	End	29585
GI	none	Score	289
Exons	26576..26737, 26577..26765, 26583..26765, 26590..26769, 26591..26776, 26840..26878, 26842..26880, 26993..27088, 26993..27079, 27214..27336, 27215..27337, 27426..27533, 27427..27561, 27430..27537, 27735..27905, 27769..27912, 27781..27912, 27979..28161, 27993..28160, 29033..29293, 29033..29293, 29034..29300, 29034..29300, 29035..29301, 29434..29532, 29439..29585, 29441..29569		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13476	Strand	
Start	30959	End	31266
Name	OJ990501_20.9819.C16.o8.tm	Method	TBLASTX:Maize
Start	30959	End	31266
GI	none	Score	316
Exons	30959..31258, 30970..31266, 31075..31266		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13477	Strand	
Start	32336	End	32677
Name	OJ990501_20.9819.C16.o9.tm	Method	TBLASTX:Maize
Start	32336	End	32677
GI	none	Score	87
Exons	32336..32407, 32428..32667, 32438..32671, 32472..32672, 32483..32677		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13478	Strand	
Start	32684	End	33416
Name	OJ990501_20.9819.C16.o5.tm	Method	TBLASTX:Maize
Start	32684	End	33416
GI	none	Score	70
Exons	32684..32755, 32765..33361, 32839..33069, 33315..33416		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13478	Strand	
Start	32684	End	33416
Name	OJ990501_20.9819.C16.o5.tw	Method	TBLASTX:Wheat
Start	32696	End	33304
GI	none	Score	290
Exons	32696..33082, 32848..33078, 33097..33174, 33098..33187, 33182..33304, 33196..33234		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13478	Strand	
Start	32684	End	33416
Name	OJ990501_20.9819.C16.o9.ts	Method	TBLASTX:Soybean
Start	32861	End	33322
GI	none	Score	291
Exons	32861..33322, 32935..33162		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13478	Strand	
Start	32684	End	33416
Name	OJ990501_20.9819.C16.o5.tc	Method	TBLASTX:Cress
Start	32900	End	33325
GI	none	Score	293
Exons	32900..33325, 32902..33051		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o8.ts	Method	TBLASTX:Soybean
Start	33848	End	34344
GI	5509260	Score	400
Exons	33848..34339, 34068..34220, 34183..34344		
GI Descrip.	-		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o10.tm	Method	TBLASTX:Maize
Start	33884	End	34153
GI	none	Score	256
Exons	33884..34153, 33992..34147		

Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o4.tc	Method	TBLASTX:Cress
Start	33974	End	34243
GI	none	Score	294

Exons	33974..34243, 33983..34234		
Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o4.tw	Method	TBLASTX:Wheat
Start	34025	End	34570
GI	none	Score	282
Exons	34025..34369, 34081..34140, 34183..34314, 34361..34570, 34408..34533		
Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o6.tm	Method	TBLASTX:Maize
Start	34159	End	34603
GI	none	Score	341
Exons	34159..34215, 34163..34603, 34276..34338		
Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o7.tc	Method	TBLASTX:Cress
Start	34388	End	34708
GI	none	Score	207
Exons	34388..34708		
Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o12.ts	Method	TBLASTX:Soybean
Start	34523	End	34699
GI	none	Score	190
Exons	34523..34699, 34525..34668		
Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o7.tw	Method	TBLASTX:Wheat
Start	34580	End	34966
GI	none	Score	108
Exons	34580..34699, 34720..34815, 34721..34966, 34914..34955		
Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o4.tm	Method	TBLASTX:Maize
Start	34712	End	35374
GI	none	Score	324
Exons	34712..35068, 34810..34881, 34966..35118, 35149..35223, 35150..35374		
Seq. No.	6389	Seq. ID	OJ990501_20.9819.C16
Gene No.	13479	Strand	
Start	33848	End	35404
Name	OJ990501_20.9819.C16.o4.ts	Method	TBLASTX:Soybean
Start	34730	End	35404

GI	none	Score	418
Exons	34730..35077, 34732..34902, 34917..35042, 34963..35241, 35144..35404		

Seq. No.	6390	Seq. ID	OJ990501_29.9819.C1
Gene No.	13480	Strand	-
Start	384	End	906
Name	OJ990501_29.9819.C1.o1.np	Method	AAT/NAP
Start	384	End	906
GI	5852178	Score	110
Exons	384..485, 861..906		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13481	Strand	+
Start	2799	End	6034
Name	OJ990501_29.9819.C2.o2.gs	Method	GENSCAN
Start	2799	End	6034
GI	none	Score	.81
Exons	2799..2879, 3656..4032, 4764..4887, 5609..6034		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13482	Strand	-
Start	269	End	392
Name	OJ990501_29.9819.C2.o1.gs	Method	GENSCAN
Start	269	End	392
GI	none	Score	.58
Exons	269..392		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13483	Strand	-
Start	300	End	1727
Name	OJ990501_29.9819.C2.o1.np	Method	AAT/NAP
Start	300	End	1727
GI	5852182	Score	443
Exons	300..629, 1434..1479, 1634..1727		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o3.gs	Method	GENSCAN
Start	6726	End	7479
GI	none	Score	.89
Exons	6726..6839, 6891..6992, 7078..7479		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o2.np	Method	AAT/NAP
Start	6729	End	9262
GI	4680179	Score	3597
Exons	6729..9262		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-

Start	6726	End	9262
Name	OJ990501_29.9819.C2.o6.tw	Method	TBLASTX:Wheat
Start	6774	End	7107
GI	none	Score	117
Exons	6774..7010, 6976..7107		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	6969	End	7554
GI	none	Score	160
Exons	6969..7010, 7006..7395, 7094..7396, 7393..7554, 7400..7546, 7402..7548		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	7108	End	7729
GI	none	Score	331
Exons	7108..7728, 7109..7729		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	7603	End	7894
GI	none	Score	282
Exons	7603..7893, 7607..7894		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	7693	End	7953
GI	none	Score	178
Exons	7693..7953, 7694..7951		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	7741	End	8277
GI	none	Score	343
Exons	7741..8277, 7742..8275		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o4.gs	Method	GENSCAN
Start	7879	End	9159
GI	none	Score	.56
Exons	7879..8611, 8798..9159		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-

Start	6726	End	9262
Name	OJ990501_29.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	8347	End	8746
GI	none	Score	185
Exons	8347..8745, 8350..8670, 8354..8746		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	8404	End	8829
GI	none	Score	173
Exons	8404..8829, 8405..8605, 8660..8782		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	8461	End	8709
GI	none	Score	86
Exons	8461..8709, 8480..8674		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	8731	End	9126
GI	none	Score	189
Exons	8731..9090, 8741..8974, 9010..9090, 9094..9126, 9094..9126		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o4.tw	Method	TBLASTX:Wheat
Start	8749	End	8979
GI	none	Score	241
Exons	8749..8979, 8750..8974		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	8830	End	9180
GI	none	Score	90
Exons	8830..8982, 8831..8971, 9037..9180, 9047..9172		

Seq. No.	6391	Seq. ID	OJ990501_29.9819.C2
Gene No.	13484	Strand	-
Start	6726	End	9262
Name	OJ990501_29.9819.C2.o5.tw	Method	TBLASTX:Wheat
Start	9013	End	9240
GI	none	Score	172
Exons	9013..9195, 9034..9189, 9193..9240		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13485	Strand	-
Start	1	End	3013

Name	OJ990501_29.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	2543
GI	5042447	Score	1704
Exons	1..923, 951..1917, 2424..2543		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13485	Strand	-
Start	1	End	3013
Name	OJ990501_29.9819.C3.o1.gs	Method	GENSCAN
Start	18	End	2950
GI	none	Score	.66
Exons	18..637, 866..1168, 1270..1473, 1735..1963, 2216..2950		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13485	Strand	-
Start	1	End	3013
Name	OJ990501_29.9819.C3.o2.np	Method	AAT/NAP
Start	2252	End	3013
GI	4512229	Score	982
Exons	2252..3013		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-
Start	3100	End	6886
Name	OJ990501_29.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	73	End	384
GI	none	Score	200
Exons	73..255, 79..384, 81..380		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-
Start	3100	End	6886
Name	OJ990501_29.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	79	End	371
GI	none	Score	122
Exons	79..264, 81..371		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-
Start	3100	End	6886
Name	OJ990501_29.9819.C3.o3.tw	Method	TBLASTX:Wheat
Start	519	End	866
GI	none	Score	233
Exons	519..866		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-
Start	3100	End	6886
Name	OJ990501_29.9819.C3.o2.tw	Method	TBLASTX:Wheat
Start	1226	End	1564
GI	none	Score	102
Exons	1226..1564, 1229..1537		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-

Start	3100	End	6886
Name	OJ990501_29.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	1265	End	1564
GI	none	Score	46
Exons	1265..1564, 1266..1334, 1434..1520		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-
Start	3100	End	6886
Name	OJ990501_29.9819.C3.o3.np	Method	AAT/NAP
Start	3100	End	4685
GI	6063554	Score	252
Exons	3100..3269, 4124..4382, 4500..4685		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6392	Seq. ID	OJ990501_29.9819.C3
Gene No.	13486	Strand	-
Start	3100	End	6886
Name	OJ990501_29.9819.C3.o2.gs	Method	GENSCAN
Start	4014	End	6886
GI	none	Score	.72
Exons	4014..4119, 4151..4386, 5242..5348, 6054..6245, 6784..6886		

Seq. No.	6393	Seq. ID	OJ990501_29.9819.C4
Gene No.	13487	Strand	+
Start	112	End	267
Name	OJ990501_29.9819.C4.o1.gs	Method	GENSCAN
Start	112	End	267
GI	none	Score	.54
Exons	112..267		

Seq. No.	6394	Seq. ID	OJ990501_29.9819.C5
Gene No.	13488	Strand	-
Start	2110	End	2410
Name	OJ990501_29.9819.C5.o1.gs	Method	GENSCAN
Start	2110	End	2410
GI	none	Score	.84
Exons	2110..2263, 2358..2410		

Seq. No.	6395	Seq. ID	OJ990501_29.9819.C6
Gene No.	13489	Strand	-
Start	343	End	586
Name	OJ990501_29.9819.C6.o1.gs	Method	GENSCAN
Start	343	End	586
GI	none	Score	.6
Exons	343..402, 446..586		

Seq. No.	6396	Seq. ID	OJ990501_29.9819.C7
Gene No.	13490	Strand	-
Start	1	End	246
Name	OJ990501_29.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	246
GI	4512229	Score	227
Exons	1..246		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	6396	Seq. ID	OJ990501_29.9819.C7
Gene No.	13491	Strand	-
Start	1603	End	3833
Name	OJ990501_29.9819.C7.o2.np	Method	AAT/NAP
Start	1515	End	3514
GI	4680179	Score	938
Exons	1515..1734, 1762..2784, 3450..3514		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6396	Seq. ID	OJ990501_29.9819.C7
Gene No.	13491	Strand	-
Start	1603	End	3833
Name	OJ990501_29.9819.C7.o1.gs	Method	GENSCAN
Start	1603	End	3770
GI	none	Score	.53
Exons	1603..2242, 2284..2568, 2677..2783, 2973..2991, 3073..3770		

Seq. No.	6396	Seq. ID	OJ990501_29.9819.C7
Gene No.	13491	Strand	-
Start	1603	End	3833
Name	OJ990501_29.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	2256	End	2612
GI	none	Score	74
Exons	2256..2612, 2257..2397, 2512..2604		

Seq. No.	6396	Seq. ID	OJ990501_29.9819.C7
Gene No.	13491	Strand	-
Start	1603	End	3833
Name	OJ990501_29.9819.C7.o3.np	Method	AAT/NAP
Start	3072	End	3833
GI	4512229	Score	1101
Exons	3072..3833		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	6397	Seq. ID	OJ990501_29.9819.C8
Gene No.	13492	Strand	+
Start	790	End	2512
Name	OJ990501_29.9819.C8.o1.np	Method	AAT/NAP
Start	790	End	1139
GI	5852180	Score	113
Exons	790..1139		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6397	Seq. ID	OJ990501_29.9819.C8
Gene No.	13492	Strand	+
Start	790	End	2512
Name	OJ990501_29.9819.C8.o1.gs	Method	GENSCAN
Start	820	End	2493
GI	none	Score	.47
Exons	820..1038, 1142..1269, 1423..1573, 2135..2251, 2401..2493		

Seq. No.	6397	Seq. ID	OJ990501_29.9819.C8
Gene No.	13492	Strand	+
Start	790	End	2512
Name	OJ990501_29.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	1541	End	1852

GI	none	Score	76
Exons	1541..1750, 1601..1738, 1757..1852		

Seq. No.	6397	Seq. ID	OJ990501_29.9819.C8
Gene No.	13492	Strand	+
Start	790	End	2512
Name	OJ990501_29.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	2090	End	2512
GI	none	Score	61
Exons	2090..2206, 2091..2201, 2216..2275, 2217..2264, 2270..2512, 2271..2429, 2354..2512		

Seq. No.	6397	Seq. ID	OJ990501_29.9819.C8
Gene No.	13492	Strand	+
Start	790	End	2512
Name	OJ990501_29.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	2147	End	2441
GI	none	Score	151
Exons	2147..2431, 2148..2441		

Seq. No.	6398	Seq. ID	OJ990501_29.9819.C9
Gene No.	13493	Strand	+
Start	1	End	977
Name	OJ990501_29.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	977
GI	4680179	Score	942
Exons	1..747, 891..977		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6398	Seq. ID	OJ990501_29.9819.C9
Gene No.	13493	Strand	+
Start	1	End	977
Name	OJ990501_29.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	45	End	543
GI	none	Score	67
Exons	45..542, 51..239, 52..543		

Seq. No.	6398	Seq. ID	OJ990501_29.9819.C9
Gene No.	13493	Strand	+
Start	1	End	977
Name	OJ990501_29.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	100	End	682
GI	none	Score	180
Exons	100..258, 105..251, 255..557, 256..645, 641..682		

Seq. No.	6398	Seq. ID	OJ990501_29.9819.C9
Gene No.	13493	Strand	+
Start	1	End	977
Name	OJ990501_29.9819.C9.o1.gs	Method	GENSCAN
Start	172	End	702
GI	none	Score	.94
Exons	172..702		

Seq. No.	6399	Seq. ID	OJ990501_29.9819.C12
Gene No.	13494	Strand	-
Start	1	End	1221
Name	OJ990501_29.9819.C12.o1.np	Method	AAT/NAP

Start	1	End	1221
GI	4680179	Score	422
Exons	1..103, 229..643, 1112..1221		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6399	Seq. ID	OJ990501_29.9819.C12
Gene No.	13494	Strand	-
Start	1	End	1221
Name	OJ990501_29.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	344	End	539
GI	none	Score	118
Exons	344..538, 348..539		

Seq. No.	6400	Seq. ID	OJ990501_29.9819.C13
Gene No.	13495	Strand	-
Start	1	End	1596
Name	OJ990501_29.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1596
GI	6742729	Score	707
Exons	1..190, 820..1369, 1499..1596		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6400	Seq. ID	OJ990501_29.9819.C13
Gene No.	13495	Strand	-
Start	1	End	1596
Name	OJ990501_29.9819.C13.o1.gs	Method	GENSCAN
Start	811	End	1322
GI	none	Score	.98
Exons	811..1322		

Seq. No.	6400	Seq. ID	OJ990501_29.9819.C13
Gene No.	13495	Strand	-
Start	1	End	1596
Name	OJ990501_29.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	973	End	1215
GI	none	Score	186
Exons	973..1215		

Seq. No.	6400	Seq. ID	OJ990501_29.9819.C13
Gene No.	13495	Strand	-
Start	1	End	1596
Name	OJ990501_29.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	1045	End	1314
GI	none	Score	91
Exons	1045..1236, 1249..1314		

Seq. No.	6400	Seq. ID	OJ990501_29.9819.C13
Gene No.	13495	Strand	-
Start	1	End	1596
Name	OJ990501_29.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	1084	End	1326
GI	none	Score	104
Exons	1084..1287, 1084..1326, 1289..1318		

Seq. No.	6401	Seq. ID	OJ990501_29.9819.C14
Gene No.	13496	Strand	+
Start	1178	End	2068

Name	OJ990501_29.9819.C14.o1.gp	Method	AAT/GAP
Start	1178	End	2068
GI	none	Score	1204
Exons	1178..1452, 1684..2068		

Seq. No.	6401	Seq. ID	OJ990501_29.9819.C14
Gene No.	13497	Strand	-
Start	2088	End	3073
Name	OJ990501_29.9819.C14.o2.gs	Method	GENSCAN
Start	2088	End	3073
GI	none	Score	.44
Exons	2088..2167, 3067..3073		

Seq. No.	6401	Seq. ID	OJ990501_29.9819.C14
Gene No.	13498	Strand	-
Start	5001	End	5402
Name	OJ990501_29.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	1214	End	1834
GI	none	Score	200
Exons	1214..1237, 1247..1348, 1263..1451, 1322..1450, 1323..1451, 1324..1452, 1330..1452, 1683..1724, 1687..1725, 1701..1829, 1701..1826, 1711..1830, 1714..1827, 1715..1834		

Seq. No.	6401	Seq. ID	OJ990501_29.9819.C14
Gene No.	13498	Strand	-
Start	5001	End	5402
Name	OJ990501_29.9819.C14.o3.gs	Method	GENSCAN
Start	5001	End	5402
GI	none	Score	.69
Exons	5001..5402		

Seq. No.	6402	Seq. ID	OJ990501_29.9819.C15
Gene No.	13499	Strand	-
Start	1	End	777
Name	OJ990501_29.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	777
GI	5902445	Score	618
Exons	1..463, 726..777		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6402	Seq. ID	OJ990501_29.9819.C15
Gene No.	13499	Strand	-
Start	1	End	777
Name	OJ990501_29.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	127	End	450
GI	none	Score	115
Exons	127..450, 128..448		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13500	Strand	+
Start	6235	End	6607
Name	OJ990501_29.9819.C16.o2.gs	Method	GENSCAN
Start	6235	End	6607
GI	none	Score	.97
Exons	6235..6357, 6368..6607		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16

Gene No.	13501	Strand	+
Start	11724	End	12105
Name	OJ990501_29.9819.C16.o3.gp	Method	AAT/GAP
Start	11724	End	12105
GI	uC-osflcyp033a04b1	Score	695
Exons	11724..12105		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	10981
GI	4680179	Score	2731
Exons	1..1771, 1799..2750, 10869..10981		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o2.tm	Method	TBLASTX:Maize
Start	296	End	661
GI	none	Score	148
Exons	296..661, 330..608		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	296	End	697
GI	none	Score	311
Exons	296..658, 297..659, 596..697, 603..677		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	410	End	805
GI	none	Score	181
Exons	410..661, 420..653, 725..769, 729..767, 746..805, 773..805		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	716	End	1163
GI	none	Score	69
Exons	716..1159, 921..1163		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	746	End	1229
GI	none	Score	218
Exons	746..1228, 749..1117, 789..1229		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o2.ts	Method	TBLASTX:Soybean
Start	878	End	1192
GI	none	Score	198
Exons	878..1192		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o4.tw	Method	TBLASTX:Wheat
Start	1361	End	1714
GI	none	Score	258
Exons	1361..1714		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o3.tw	Method	TBLASTX:Wheat
Start	2054	End	2401
GI	none	Score	63
Exons	2054..2398, 2153..2401		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o3.tm	Method	TBLASTX:Maize
Start	2060	End	2383
GI	none	Score	229
Exons	2060..2383		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o5.tw	Method	TBLASTX:Wheat
Start	2453	End	2648
GI	none	Score	118
Exons	2453..2647, 2457..2648		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o3.gs	Method	GENSCAN
Start	7508	End	8551
GI	none	Score	.87
Exons	7508..7569, 7901..7925, 8065..8317, 8322..8551		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o4.gs	Method	GENSCAN
Start	10419	End	11764
GI	none	Score	.82
Exons	10419..10972, 11704..11764		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o2.np	Method	AAT/NAP
Start	11657	End	14754
GI	4680186	Score	364
Exons	11657..11857, 12694..12805, 14721..14754		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o4.gp	Method	AAT/GAP
Start	13858	End	14275
GI	568184	Score	640
Exons	13858..14035, 14108..14275		

Seq. No.	6403	Seq. ID	OJ990501_29.9819.C16
Gene No.	13502	Strand	-
Start	1	End	14754
Name	OJ990501_29.9819.C16.o5.gs	Method	GENSCAN
Start	13898	End	14410
GI	none	Score	.77
Exons	13898..14063, 14104..14201, 14207..14410		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13503	Strand	+
Start	9549	End	13001
Name	OJ990501_29.9819.C17.o3.gs	Method	GENSCAN
Start	9549	End	13001
GI	none	Score	.61
Exons	9549..9647, 10342..10640, 11091..11284, 11821..11877, 12754..13001		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13504	Strand	+
Start	17524	End	18390
Name	OJ990501_29.9819.C17.o4.gp	Method	AAT/GAP
Start	17524	End	18390
GI	none	Score	1063
Exons	17524..17812, 18040..18390		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13505	Strand	+
Start	18537	End	20754
Name	OJ990501_29.9819.C17.o5.gs	Method	GENSCAN
Start	18537	End	20754
GI	none	Score	.53
Exons	18537..18539, 19786..19918, 20001..20450, 20723..20754		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13506	Strand	-
Start	4427	End	4689
Name	OJ990501_29.9819.C17.o2.gp	Method	AAT/GAP
Start	4427	End	4689
GI	2315_5.R1084	Score	359
Exons	4427..4689		

GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13507	Strand	-
Start	5796	End	7455
Name	OJ990501_29.9819.C17.o2.gs	Method	GENSCAN
Start	5796	End	7218
GI	none	Score	.88
Exons	5796..6338, 6644..7081, 7096..7218		
Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13507	Strand	-
Start	5796	End	7455
Name	OJ990501_29.9819.C17.o1.np	Method	AAT/NAP
Start	5800	End	7455
GI	4680203	Score	1813
Exons	5800..7455		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13507	Strand	-
Start	5796	End	7455
Name	OJ990501_29.9819.C17.o3.gp	Method	AAT/GAP
Start	5805	End	7451
GI	342_1.R1084	Score	2413
Exons	5805..7451		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13508	Strand	-
Start	15270	End	17862
Name	OJ990501_29.9819.C17.o4.gs	Method	GENSCAN
Start	15270	End	17862
GI	none	Score	.65
Exons	15270..15310, 15666..15720, 15782..15829, 17195..17290, 17431..17490, 17656..17862		
Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-
Start	24803	End	24966
Name	OJ990501_29.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	5958	End	6200
GI	none	Score	196
Exons	5958..6200		
Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-
Start	24803	End	24966
Name	OJ990501_29.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	6030	End	6481
GI	none	Score	46
Exons	6030..6221, 6234..6353, 6234..6359, 6353..6475, 6359..6481		
Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-

Start	24803	End	24966
Name	OJ990501_29.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	6069	End	6524
GI	none	Score	118
Exons	6069..6272, 6069..6293, 6273..6359, 6274..6360, 6374..6478, 6378..6479, 6476..6523, 6480..6524		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-
Start	24803	End	24966
Name	OJ990501_29.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	6692	End	6982
GI	none	Score	81
Exons	6692..6772, 6749..6955, 6767..6982, 6768..6974		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-
Start	24803	End	24966
Name	OJ990501_29.9819.C17.o2.tw	Method	TBLASTX:Wheat
Start	6754	End	7149
GI	none	Score	195
Exons	6754..7014, 6770..7015, 6771..7007, 6998..7105, 7012..7149		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-
Start	24803	End	24966
Name	OJ990501_29.9819.C17.o3.tw	Method	TBLASTX:Wheat
Start	17549	End	18169
GI	none	Score	49
Exons	17549..17689, 17557..17583, 17593..17694, 17609..17797, 17668..17796, 17676..17798, 17750..17806, 18042..18164, 18044..18169, 18049..18165		

Seq. No.	6404	Seq. ID	OJ990501_29.9819.C17
Gene No.	13509	Strand	-
Start	24803	End	24966
Name	OJ990501_29.9819.C17.o6.gs	Method	GENSCAN
Start	24803	End	24966
GI	none	Score	.54
Exons	24803..24966		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13510	Strand	+
Start	9425	End	12380
Name	OJ990501_29.9819.C18.o2.np	Method	AAT/NAP
Start	9425	End	12377
GI	6691716	Score	2319
Exons	9425..10309, 10507..10679, 10761..11080, 11251..11417, 11493..11604, 11755..11859, 11932..12377		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13510	Strand	+
Start	9425	End	12380
Name	OJ990501_29.9819.C18.o3.gs	Method	GENSCAN

Start	9425	End	12380
GI	none	Score	.51
Exons	9425..10309, 10435..11155, 11230..11417, 11493..11682, 11755..11859, 11932..12380		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13511	Strand	-
Start	3080	End	3975
Name	OJ990501_29.9819.C18.o1.np	Method	AAT/NAP
Start	3080	End	3975
GI	5852178	Score	383
Exons	3080..3182, 3542..3638, 3670..3975		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13512	Strand	-
Start	6312	End	7591
Name	OJ990501_29.9819.C18.o2.gp	Method	AAT/GAP
Start	6272	End	6689
GI	568184	Score	640
Exons	6272..6449, 6522..6689		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13512	Strand	-
Start	6312	End	7591
Name	OJ990501_29.9819.C18.o2.gs	Method	GENSCAN
Start	6312	End	7591
GI	none	Score	.74
Exons	6312..6477, 6518..6615, 6621..6803, 6885..7014, 7488..7591		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13513	Strand	-
Start	12696	End	18806
Name	OJ990501_29.9819.C18.o4.gs	Method	GENSCAN
Start	12696	End	18806
GI	none	Score	.97
Exons	12696..14108, 14145..15777, 15874..18806		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13513	Strand	-
Start	12696	End	18806
Name	OJ990501_29.9819.C18.o3.np	Method	AAT/NAP
Start	12732	End	18806
GI	5922631	Score	6625
Exons	12732..15259, 15866..16789, 16916..17067, 17110..17674, 17720..17929, 18179..18423, 18682..18806		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955

Name	OJ990501_29.9819.C18.o12.tw	Method	TBLASTX:Wheat
Start	9545	End	9835
GI	none	Score	217
Exons	9545..9835		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o7.tw	Method	TBLASTX:Wheat
Start	12708	End	13322
GI	none	Score	80
Exons	12708..12845, 12831..12989, 13044..13322, 13060..13161, 13213..13302		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o6.tm	Method	TBLASTX:Maize
Start	12747	End	12980
GI	none	Score	100
Exons	12747..12848, 12748..12849, 12828..12980, 12829..12888		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o7.tm	Method	TBLASTX:Maize
Start	13092	End	13365
GI	none	Score	56
Exons	13092..13178, 13188..13271, 13201..13275, 13258..13365, 13266..13364		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o5.tw	Method	TBLASTX:Wheat
Start	13437	End	13824
GI	none	Score	158
Exons	13437..13823, 13513..13824		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	13467	End	13830
GI	none	Score	67
Exons	13467..13514, 13468..13515, 13501..13809, 13506..13829, 13519..13830		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o13.tw	Method	TBLASTX:Wheat
Start	13827	End	14126
GI	none	Score	125
Exons	13827..13958, 13992..14126		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18

Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o6.tw	Method	TBLASTX:Wheat
Start	14142	End	14564
GI	none	Score	260
Exons	14142..14564, 14152..14556		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o3.ts	Method	TBLASTX:Soybean
Start	14185	End	14573
GI	none	Score	117
Exons	14185..14433, 14187..14429, 14469..14573, 14470..14565		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o11.tw	Method	TBLASTX:Wheat
Start	14568	End	14850
GI	none	Score	65
Exons	14568..14849, 14580..14714, 14773..14850		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	14688	End	15132
GI	none	Score	90
Exons	14688..14714, 14712..14855, 14725..14856, 14877..15131, 14878..15132		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	14799	End	15200
GI	none	Score	47
Exons	14799..15200, 14833..15003, 14997..15167, 15025..15183		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o4.tw	Method	TBLASTX:Wheat
Start	14854	End	15278
GI	none	Score	296
Exons	14854..15234, 14859..15278		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	15363	End	15719
GI	none	Score	214
Exons	15363..15719, 15373..15678		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18

Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	15393	End	15849
GI	none	Score	267
Exons	15393..15848, 15394..15849		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o4.ts	Method	TBLASTX:Soybean
Start	15444	End	15809
GI	none	Score	134
Exons	15444..15578, 15585..15809		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o8.tw	Method	TBLASTX:Wheat
Start	16069	End	16526
GI	none	Score	150
Exons	16069..16305, 16071..16301, 16350..16526		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o10.tw	Method	TBLASTX:Wheat
Start	17103	End	17505
GI	none	Score	117
Exons	17103..17504, 17236..17505		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o5.gs	Method	GENSCAN
Start	22218	End	24411
GI	none	Score	.7
Exons	22218..22301, 22527..22661, 22756..22845, 23404..23688, 23779..24411		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o4.np	Method	AAT/NAP
Start	23374	End	26955
GI	4680203	Score	2787
Exons	23374..24354, 24631..26429, 26916..26955		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	23428	End	24750
GI	none	Score	55
Exons	23428..23520, 23445..23519, 23509..23589, 23537..23590, 23594..23692, 23595..23711, 23596..23712, 23603..23743,		

23614..23742, 23672..23785, 23722..23781, 23788..23835,
23789..23836, 23796..23852, 23827..24744, 23843..24745,
24020..24745, 24256..24750

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	24010	End	24457
GI	none	Score	91
Exons	24010..24159, 24010..24453, 24014..24457, 24020..24457		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o4.tm	Method	TBLASTX:Maize
Start	24388	End	24702
GI	none	Score	67
Exons	24388..24618, 24388..24702, 24416..24691		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o6.gs	Method	GENSCAN
Start	24689	End	26192
GI	none	Score	.81
Exons	24689..25278, 25445..25478, 25617..25969, 26069..26192		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o5.ts	Method	TBLASTX:Soybean
Start	24932	End	25174
GI	none	Score	186
Exons	24932..25174		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o5.tm	Method	TBLASTX:Maize
Start	25004	End	25457
GI	none	Score	71
Exons	25004..25195, 25208..25330, 25209..25331, 25329..25448, 25359..25457		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o3.tw	Method	TBLASTX:Wheat
Start	25043	End	25497
GI	none	Score	111
Exons	25043..25267, 25101..25244, 25245..25328, 25247..25330, 25248..25331, 25329..25451, 25347..25451, 25351..25452, 25449..25496, 25453..25497		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-

Start	22218	End	26955
Name	OJ990501_29.9819.C18.o2.tc	Method	TBLASTX:Cress
Start	25347	End	25637
GI	none	Score	77
Exons	25347..25508, 25563..25637		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	25665	End	25955
GI	none	Score	89
Exons	25665..25745, 25740..25955, 25741..25947		

Seq. No.	6405	Seq. ID	OJ990501_29.9819.C18
Gene No.	13514	Strand	-
Start	22218	End	26955
Name	OJ990501_29.9819.C18.o9.tw	Method	TBLASTX:Wheat
Start	25735	End	26083
GI	none	Score	190
Exons	25735..25977, 25743..25988, 25744..25980, 25971..26072, 25982..26083		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13515	Strand	+
Start	3194	End	5840
Name	OJ990311_14.9819.C1.o2.gs	Method	GENSCAN
Start	3194	End	5840
GI	none	Score	.86
Exons	3194..4186, 4318..4556, 4610..5420, 5652..5840		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13516	Strand	+
Start	29519	End	37951
Name	OJ990311_14.9819.C1.o6.gs	Method	GENSCAN
Start	29519	End	37951
GI	none	Score	.53
Exons	29519..29658, 32236..32264, 34368..34456, 34850..34990, 35112..35169, 35450..35578, 37121..37224, 37483..37562, 37741..37951		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13517	Strand	-
Start	1097	End	2545
Name	OJ990311_14.9819.C1.o1.gs	Method	GENSCAN
Start	1097	End	2545
GI	none	Score	.99
Exons	1097..1318, 1544..2545		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13518	Strand	-
Start	8645	End	10255
Name	OJ990311_14.9819.C1.o3.gs	Method	GENSCAN
Start	8645	End	10255
GI	none	Score	.95
Exons	8645..10255		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13519	Strand	-
Start	14673	End	26830
Name	OJ990311_14.9819.C1.o1.np	Method	AAT/NAP
Start	14653	End	20233
GI	3132825	Score	6332
Exons	14653..14807, 14921..15139, 15238..15399, 15495..15773, 15869..16066, 16182..16329, 16417..16528, 16619..16814, 16899..17063, 17182..18664, 18785..20233		
GI Descrip.	(AF063403) putative cytosine-5 DNA methyltransferase [Zea mays]		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13519	Strand	-
Start	14673	End	26830
Name	OJ990311_14.9819.C1.o4.gs	Method	GENSCAN
Start	14673	End	26830
GI	none	Score	.88
Exons	14673..14807, 14921..15006, 15049..15169, 15238..15399, 15495..15773, 15869..16066, 16182..16329, 16417..16528, 16619..16814, 16899..17063, 17182..18664, 18785..20243, 23866..23979, 24861..24985, 26622..26830		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	14644	End	15124
GI	none	Score	159
Exons	14644..14808, 14682..14810, 14686..14808, 14903..15124, 14921..15115		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	14676	End	16329
GI	none	Score	132
Exons	14676..14810, 14688..14810, 14689..14811, 14900..15121, 14919..15140, 14921..15142, 14925..15140, 15188..15400, 15235..15405, 15238..15513, 15496..15774, 15507..15773, 15866..16069, 15867..16070, 15867..16070, 15868..16074, 15869..16072, 16181..16231, 16182..16328, 16182..16328, 16183..16329		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	14679	End	20103
GI	none	Score	132
Exons	14679..14810, 14695..14808, 14731..14811, 14732..14809, 14903..15106, 14905..15087, 14921..15211, 14922..15140, 15182..15406, 15235..15402, 15507..15773, 15508..15774, 15516..15776, 15652..15774, 15864..16070, 15866..16069, 15867..16070, 15868..16074, 16171..16329, 16178..16321, 16182..16331, 16182..16331, 16183..16335, 16416..16541, 16419..16529, 16420..16539, 16614..16823, 16618..16692,		

16896..17066, 16897..17061, 17179..17292, 17183..17308,
17299..17379, 17303..17359, 17479..17916, 17480..17695,
17562..17696, 17768..17866, 17769..17885, 17896..18057,
17963..18019, 18163..18264, 18175..18267, 18229..18663,
18264..18665, 18266..18649, 18782..18820, 18784..18819,
18814..18891, 18827..18880, 18889..19074, 18902..19081,
18929..19081, 18931..19083, 19104..19211, 19114..19203,
19115..19204, 19139..19213, 19219..19302, 19345..19533,
19400..19534, 19534..19956, 19550..19957, 19957..20082,
20005..20103

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	14943	End	15261
GI	none	Score	205
Exons	14943..15137, 14945..15142, 14951..15142, 15235..15261		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o3.ts	Method	TBLASTX:Soybean
Start	15292	End	15683
GI	none	Score	57
Exons	15292..15342, 15292..15375, 15337..15405, 15352..15405, 15507..15683, 15514..15681		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	15688	End	16508
GI	none	Score	89
Exons	15688..15777, 15693..15773, 15866..16069, 15876..16067, 16182..16331, 16182..16331, 16186..16335, 16411..16506, 16416..16508		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o4.tm	Method	TBLASTX:Maize
Start	16400	End	17030
GI	none	Score	164
Exons	16400..16528, 16416..16541, 16417..16530, 16608..16772, 16609..16773, 16758..16823, 16770..16820, 16896..17030, 16910..17029		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o4.ts	Method	TBLASTX:Soybean
Start	16983	End	17370
GI	none	Score	73
Exons	16983..17066, 16984..17064, 17179..17259, 17179..17370, 17303..17356		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	17219	End	17661
GI	none	Score	386
Exons	17219..17488, 17220..17660, 17221..17661, 17221..17661		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	18035	End	18512
GI	none	Score	65
Exons	18035..18070, 18037..18072, 18083..18460, 18160..18510, 18168..18230, 18169..18510, 18171..18512, 18173..18511		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o5.tm	Method	TBLASTX:Maize
Start	18961	End	19095
GI	none	Score	136
Exons	18961..19095, 18968..19087		

Seq. No.	6406	Seq. ID	OJ990311_14.9819.C1
Gene No.	13520	Strand	-
Start	28399	End	28839
Name	OJ990311_14.9819.C1.o5.gs	Method	GENSCAN
Start	28399	End	28839
GI	none	Score	.96
Exons	28399..28839		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13521	Strand	+
Start	448	End	756
Name	OJ990311_14.9819.C2.o1.gs	Method	GENSCAN
Start	448	End	756
GI	none	Score	.94
Exons	448..756		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13522	Strand	+
Start	2177	End	14057
Name	OJ990311_14.9819.C2.o2.gs	Method	GENSCAN
Start	2177	End	14057
GI	none	Score	.42
Exons	2177..2182, 3001..3136, 3545..3722, 4412..4486, 4564..4823, 4873..5058, 5156..5354, 6136..6596, 7032..7218, 10925..11158, 11246..11590, 11703..11756, 12654..12790, 13546..14057		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13522	Strand	+
Start	2177	End	14057
Name	OJ990311_14.9819.C2.o1.gp	Method	AAT/GAP
Start	10819	End	11377
GI	none	Score	799

Exons	10819..11158, 11246..11377		
Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13522	Strand	+
Start	2177	End	14057
Name	OJ990311_14.9819.C2.o1.np	Method	AAT/NAP
Start	10926	End	11775
GI	4887012	Score	295
Exons	10926..11089, 11246..11297, 11346..11590, 11703..11775		
GI Descrip.	(AF123504) Nt-iaa2.3 deduced protein [Nicotiana tabacum]		
Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13522	Strand	+
Start	2177	End	14057
Name	OJ990311_14.9819.C2.o2.gp	Method	AAT/GAP
Start	11321	End	12123
GI	69892_1.R1084	Score	1303
Exons	11321..11590, 11703..12123		
GI Descrip.	'4887012/gb|AAD32142.1|AF123504_1 1.0e-25 (AF123504) Nt-iaa2.3 deduced protein [Nicotiana tabacum]'		
Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13523	Strand	+
Start	17589	End	18352
Name	OJ990311_14.9819.C2.o4.gs	Method	GENSCAN
Start	17589	End	18352
GI	none	Score	.84
Exons	17589..18031, 18142..18352		
Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13524	Strand	+
Start	33834	End	36707
Name	OJ990311_14.9819.C2.o6.gs	Method	GENSCAN
Start	33834	End	36707
GI	none	Score	.93
Exons	33834..34073, 34706..34852, 34960..35134, 35524..35600, 35921..35998, 36245..36322, 36419..36478, 36573..36707		
Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13524	Strand	+
Start	33834	End	36707
Name	OJ990311_14.9819.C2.o5.gp	Method	AAT/GAP
Start	33914	End	35581
GI	uC-osf1cyp065h05a1	Score	786
Exons	33914..34073, 34706..34845, 34951..35134, 35524..35581		
GI Descrip.	'3892048/gb|AAC78257.1|AAC78257 9.0e-16 (AC002330) putative tryptophan synthase alpha 1-like protein [Arabidopsis thaliana]'		
Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13524	Strand	+
Start	33834	End	36707
Name	OJ990311_14.9819.C2.o3.np	Method	AAT/NAP
Start	33999	End	36707
GI	3892048	Score	787
Exons	33999..34073, 34706..34852, 34960..35134, 35524..35600, 35921..35998, 36245..36322, 36419..36478, 36573..36707		
GI Descrip.	(AC002330) putative tryptophan synthase alpha 1-like protein		

[Arabidopsis thaliana]

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13524	Strand	+
Start	33834	End	36707
Name	OJ990311_14.9819.C2.o6.gp	Method	AAT/GAP
Start	34704	End	35138
GI	uC-osf1cyp065h05a1	Score	416
Exons	34704..34845, 34951..35138		
GI Descrip.	'3892048/gb|AAC78257.1|AAC78257 9.0e-16 (AC002330) putative tryptophan synthase alpha 1-like protein [Arabidopsis thaliana]'		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13525	Strand	-
Start	14376	End	14939
Name	OJ990311_14.9819.C2.o3.gs	Method	GENSCAN
Start	14376	End	14939
GI	none	Score	.78
Exons	14376..14458, 14879..14939		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13526	Strand	-
Start	19689	End	33239
Name	OJ990311_14.9819.C2.o5.gs	Method	GENSCAN
Start	19689	End	33239
GI	none	Score	.67
Exons	19689..19772, 21728..21880, 22675..22840, 22893..23035, 26058..26129, 26845..26919, 27029..27094, 27460..27525, 28204..28284, 28385..28483, 28569..28861, 30192..30353, 32524..32772, 33170..33239		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13526	Strand	-
Start	19689	End	33239
Name	OJ990311_14.9819.C2.o2.np	Method	AAT/NAP
Start	25902	End	28781
GI	3892050	Score	518
Exons	25902..26129, 26839..26919, 27029..27094, 27460..27525, 28153..28233, 28385..28781		
GI Descrip.	(AC002330) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13526	Strand	-
Start	19689	End	33239
Name	OJ990311_14.9819.C2.o3.gp	Method	AAT/GAP
Start	26055	End	26555
GI	none	Score	990
Exons	26055..26555		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13526	Strand	-
Start	19689	End	33239
Name	OJ990311_14.9819.C2.o4.gp	Method	AAT/GAP
Start	28422	End	28911
GI	none	Score	762
Exons	28422..28483, 28569..28911		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13527	Strand	-
Start	36581	End	36996
Name	OJ990311_14.9819.C2.o7.gp	Method	AAT/GAP
Start	36581	End	36996
GI	2311472	Score	742
Exons	36581..36996		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	10977	End	12107
GI	none	Score	34
Exons	10977..11003, 11127..11159, 11243..11299, 11244..11297, 11370..11591, 11371..11589, 11376..11591, 11697..11750, 11704..11748, 11704..11790, 11902..11931, 11982..12107		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	11219	End	11757
GI	none	Score	91
Exons	11219..11296, 11235..11303, 11370..11468, 11374..11469, 11376..11492, 11508..11588, 11704..11757		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	11229	End	11784
GI	none	Score	81
Exons	11229..11303, 11247..11291, 11382..11483, 11382..11468, 11517..11591, 11541..11588, 11704..11754, 11704..11784		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	11397	End	11762
GI	none	Score	94
Exons	11397..11480, 11485..11589, 11487..11591, 11703..11762, 11704..11760		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	25857	End	26091
GI	none	Score	204
Exons	25857..26090, 25888..26088, 25917..26090, 25918..26091		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o3.ts	Method	TBLASTX:Soybean

Start	25897	End	27531
GI	none	Score	154
Exons	25897..26109, 25917..26126, 25918..26094, 25980..26102, 26857..26928, 26871..26921, 27026..27103, 27029..27097, 27460..27531		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	34011	End	36894
GI	none	Score	75
Exons	34011..34079, 34703..34852, 34705..34857, 34705..34851, 34716..34853, 34955..35089, 34956..35135, 34957..35139, 35516..35602, 35517..35603, 35524..35637, 35920..35988, 35921..36004, 35922..36005, 36224..36325, 36236..36325, 36418..36477, 36419..36481, 36571..36750, 36572..36748, 36809..36871, 36814..36894		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	34703	End	35139
GI	none	Score	230
Exons	34703..34852, 34708..34848, 34714..34854, 34725..34853, 34957..35139, 34957..35115, 34959..35135		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	34703	End	34854
GI	none	Score	234
Exons	34703..34852, 34708..34851, 34711..34854		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o3.tc	Method	TBLASTX:Cress
Start	34977	End	35998
GI	none	Score	225
Exons	34977..35135, 34978..35139, 35517..35603, 35927..35998		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	36221	End	36712
GI	none	Score	113
Exons	36221..36322, 36268..36318, 36421..36480, 36422..36481, 36566..36712, 36570..36647		

Seq. No.	6407	Seq. ID	OJ990311_14.9819.C2
Gene No.	13528	Strand	-
Start	38448	End	38561
Name	OJ990311_14.9819.C2.o7.gs	Method	GENSCAN

Start	38448	End	38561
GI	none	Score	.82
Exons	38448..38561		

Seq. No.	6408	Seq. ID	OJ990311_14.9819.C3
Gene No.	13529	Strand	+
Start	242	End	406
Name	OJ990311_14.9819.C3.o1.gs	Method	GENSCAN
Start	242	End	406
GI	none	Score	.57
Exons	242..406		

Seq. No.	6408	Seq. ID	OJ990311_14.9819.C3
Gene No.	13530	Strand	+
Start	1026	End	8400
Name	OJ990311_14.9819.C3.o2.np	Method	AAT/NAP
Start	1026	End	8400
GI	3132825	Score	153
Exons	1026..1046, 8014..8171, 8288..8400		
GI Descrip.	(AF063403) putative cytosine-5 DNA methyltransferase [Zea mays]		

Seq. No.	6408	Seq. ID	OJ990311_14.9819.C3
Gene No.	13530	Strand	+
Start	1026	End	8400
Name	OJ990311_14.9819.C3.o1.np	Method	AAT/NAP
Start	2535	End	6487
GI	1783305	Score	601
Exons	2535..2702, 2745..2957, 4251..4344, 4506..4713, 5330..5405, 5495..5620, 6161..6487		
GI Descrip.	(D78609) bZIP protein [Oryza sativa]		

Seq. No.	6408	Seq. ID	OJ990311_14.9819.C3
Gene No.	13530	Strand	+
Start	1026	End	8400
Name	OJ990311_14.9819.C3.o2.gs	Method	GENSCAN
Start	2535	End	6544
GI	none	Score	.9
Exons	2535..2957, 3897..3929, 4251..4344, 4506..4713, 5330..5405, 5495..5620, 6161..6544		

Seq. No.	6408	Seq. ID	OJ990311_14.9819.C3
Gene No.	13530	Strand	+
Start	1026	End	8400
Name	OJ990311_14.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	4489	End	5623
GI	none	Score	94
Exons	4489..4617, 4502..4606, 4634..4678, 4635..4688, 5327..5407, 5329..5409, 5329..5406, 5492..5623, 5492..5623		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13531	Strand	+
Start	572	End	2566
Name	OJ990311_14.9819.C4.o1.gs	Method	GENSCAN
Start	572	End	2270
GI	none	Score	.82
Exons	572..754, 993..1234, 1375..1398, 1636..1777, 1908..1930, 2166..2270		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13531	Strand	+
Start	572	End	2566
Name	OJ990311_14.9819.C4.o1.gp	Method	AAT/GAP
Start	1024	End	2566
GI	none	Score	1301
Exons	1024..1310, 2166..2566		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13532	Strand	+
Start	15889	End	19879
Name	OJ990311_14.9819.C4.o5.gs	Method	GENSCAN
Start	15889	End	19879
GI	none	Score	.7
Exons	15889..16007, 16112..16465, 16467..16591, 16721..16831, 19749..19879		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13533	Strand	-
Start	2889	End	8706
Name	OJ990311_14.9819.C4.o2.gs	Method	GENSCAN
Start	2889	End	8368
GI	none	Score	.78
Exons	2889..3041, 3262..3399, 4001..4213, 4705..4962, 5059..5226, 5432..5497, 5723..5824, 6161..6221, 6407..6471, 6551..6608, 6701..6818, 8077..8165, 8265..8368		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13533	Strand	-
Start	2889	End	8706
Name	OJ990311_14.9819.C4.o1.np	Method	AAT/NAP
Start	5122	End	8261
GI	6598487	Score	433
Exons	5122..5142, 6548..6608, 6701..6818, 6912..6950, 7036..7105, 7235..7345, 8223..8261		
GI Descrip.	(AC005770) putative guanylate binding protein [Arabidopsis thaliana]		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13533	Strand	-
Start	2889	End	8706
Name	OJ990311_14.9819.C4.o2.gp	Method	AAT/GAP
Start	6485	End	6854
GI	42393_1.R1084	Score	276
Exons	6485..6509, 6552..6608, 6701..6854		
GI Descrip.	'4585903/gb|AAD25565.1|AC007133_7 9.0e-21 (AC007133) putative guanylate binding protein [Arabidopsis thaliana]'		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13533	Strand	-
Start	2889	End	8706
Name	OJ990311_14.9819.C4.o3.gp	Method	AAT/GAP
Start	7258	End	8706
GI	none	Score	985
Exons	7258..7337, 8265..8706		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13534	Strand	-
Start	10960	End	12947
Name	OJ990311_14.9819.C4.o3.gs	Method	GENSCAN
Start	10960	End	12947
GI	none	Score	.68
Exons	10960..11079, 11898..11959, 12335..12393, 12931..12947		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13535	Strand	-
Start	14141	End	15931
Name	OJ990311_14.9819.C4.o4.gp	Method	AAT/GAP
Start	13913	End	14444
GI	none	Score	980
Exons	13913..14444		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13535	Strand	-
Start	14141	End	15931
Name	OJ990311_14.9819.C4.o4.gs	Method	GENSCAN
Start	14141	End	15523
GI	none	Score	.84
Exons	14141..14422, 14437..14768, 14855..15047, 15125..15523		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13535	Strand	-
Start	14141	End	15931
Name	OJ990311_14.9819.C4.o2.np	Method	AAT/NAP
Start	14401	End	15931
GI	4585901	Score	424
Exons	14401..14768, 14855..15079, 15202..15455, 15850..15931		
GI Descrip.	(AC007133) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13535	Strand	-
Start	14141	End	15931
Name	OJ990311_14.9819.C4.o5.gp	Method	AAT/GAP
Start	14852	End	15156
GI	uC-osf1M202062a11b1	Score	386
Exons	14852..15047, 15125..15156		
GI Descrip.	'5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	1181	End	1310
GI	none	Score	202
Exons	1181..1309, 1182..1310		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	2960	End	6225
GI	none	Score	77

Exons	2960..3058, 2981..3058, 3127..3405, 3128..3406, 3342..3407, 3998..4213, 4002..4205, 4003..4206, 4702..4965, 4702..4962, 4704..4964, 5053..5229, 5060..5149, 5068..5229, 5432..5497, 5441..5500, 5570..5605, 5583..5615, 5714..5782, 5718..5780, 5721..5783, 6159..6221, 6162..6224, 6163..6225		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o3.tc	Method	TBLASTX:Cress
Start	3245	End	4099
GI	none	Score	118
Exons	3245..3400, 3247..3423, 3998..4099		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	4040	End	4939
GI	none	Score	157
Exons	4040..4213, 4041..4205, 4041..4220, 4700..4936, 4702..4935, 4702..4938, 4829..4939		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	4738	End	5100
GI	none	Score	42
Exons	4738..4962, 4758..4796, 4833..4964, 4838..4963, 4855..4965, 5053..5100, 5060..5098		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	4837	End	5498
GI	none	Score	137
Exons	4837..4962, 4838..4963, 4839..4964, 4840..4965, 5053..5118, 5083..5229, 5432..5497, 5436..5498		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	6407	End	6930
GI	none	Score	90
Exons	6407..6469, 6409..6471, 6545..6610, 6548..6610, 6549..6611, 6690..6722, 6691..6750, 6692..6751, 6696..6770, 6700..6783, 6701..6769, 6781..6822, 6907..6930		

Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	14489	End	15032
GI	none	Score	157

Exons	14489..14686, 14494..14709, 14497..14745, 14853..15032		
Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	14500	End	15050
GI	none	Score	88
Exons	14500..14574, 14501..14581, 14641..14745, 14850..14972, 14958..15050		
Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	14611	End	15050
GI	none	Score	77
Exons	14611..14739, 14615..14686, 14626..14709, 14734..14772, 14853..15050		
Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	14662	End	15054
GI	none	Score	68
Exons	14662..14709, 14662..14772, 14793..14867, 14850..15053, 14854..15054		
Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o6.gs	Method	GENSCAN
Start	20162	End	24021
GI	none	Score	.4
Exons	20162..20202, 20912..20999, 22191..22315, 22781..22918, 23781..24021		
Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o6.gp	Method	AAT/GAP
Start	22128	End	22415
GI	427610	Score	409
Exons	22128..22178, 22203..22415		
GI Descrip.	5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		
Seq. No.	6409	Seq. ID	OJ990311_14.9819.C4
Gene No.	13536	Strand	-
Start	20162	End	24029
Name	OJ990311_14.9819.C4.o4.np	Method	AAT/NAP
Start	23769	End	24029
GI	6907106	Score	264
Exons	23769..24029		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6410	Seq. ID	OJ990311_14.9819.C6
Gene No.	13537	Strand	+
Start	1	End	736
Name	OJ990311_14.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	736
GI	2498930	Score	44
Exons	1..53, 517..580, 713..736		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	6410	Seq. ID	OJ990311_14.9819.C6
Gene No.	13537	Strand	+
Start	1	End	736
Name	OJ990311_14.9819.C6.o1.gs	Method	GENSCAN
Start	521	End	580
GI	none	Score	.94
Exons	521..580		

Seq. No.	6411	Seq. ID	OJ990311_14.9819.C7
Gene No.	13538	Strand	+
Start	1	End	715
Name	OJ990311_14.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	715
GI	2498930	Score	1142
Exons	1..715		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	6411	Seq. ID	OJ990311_14.9819.C7
Gene No.	13538	Strand	+
Start	1	End	715
Name	OJ990311_14.9819.C7.o1.gs	Method	GENSCAN
Start	19	End	660
GI	none	Score	.64
Exons	19..660		

Seq. No.	6412	Seq. ID	OJ990311_14.9819.C8
Gene No.	13539	Strand	+
Start	1	End	731
Name	OJ990311_14.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	731
GI	4505631	Score	1187
Exons	1..731		
GI Descrip.	protocadherin 1 (cadherin-like 1) gi|387675 (L11370) protocadherin 42 [Homo sapiens]		

Seq. No.	6412	Seq. ID	OJ990311_14.9819.C8
Gene No.	13539	Strand	+
Start	1	End	731
Name	OJ990311_14.9819.C8.o1.gs	Method	GENSCAN
Start	58	End	709
GI	none	Score	.59
Exons	58..709		

Seq. No.	6413	Seq. ID	OJ990311_14.9819.C9
Gene No.	13540	Strand	+

Start	261	End	662
Name	OJ990311_14.9819.C9.o1.gs	Method	GENSCAN
Start	261	End	662
GI	none	Score	.74
Exons	261..329, 349..433, 493..662		

Seq. No.	6414	Seq. ID	OJ990311_14.9819.C10
Gene No.	13541	Strand	-
Start	472	End	608
Name	OJ990311_14.9819.C10.o1.gs	Method	GENSCAN
Start	472	End	608
GI	none	Score	.63
Exons	472..608		

Seq. No.	6415	Seq. ID	OJ990311_14.9819.C11
Gene No.	13542	Strand	-
Start	315	End	440
Name	OJ990311_14.9819.C11.o1.gs	Method	GENSCAN
Start	315	End	440
GI	none	Score	.93
Exons	315..440		

Seq. No.	6416	Seq. ID	OJ990311_14.9819.C12
Gene No.	13543	Strand	+
Start	250	End	296
Name	OJ990311_14.9819.C12.o1.gs	Method	GENSCAN
Start	250	End	296
GI	none	Score	.93
Exons	250..296		

Seq. No.	6417	Seq. ID	OJ990311_15.9819.C1
Gene No.	13544	Strand	+
Start	342	End	771
Name	OJ990311_15.9819.C1.o1.gs	Method	GENSCAN
Start	342	End	771
GI	none	Score	.83
Exons	342..380, 664..771		

Seq. No.	6418	Seq. ID	OJ990311_15.9819.C2
Gene No.	13545	Strand	+
Start	1076	End	1549
Name	OJ990311_15.9819.C2.o1.gp	Method	AAT/GAP
Start	1076	End	1549
GI	48882_1.R1084	Score	907
Exons	1076..1549		
GI Descrip.	'5091597/gb|AC007858.1|10A19I BAC 10A19I, complete sequence'	7.0e-31	Oryza sativa chromosome 1

Seq. No.	6418	Seq. ID	OJ990311_15.9819.C2
Gene No.	13546	Strand	-
Start	223	End	1539
Name	OJ990311_15.9819.C2.o1.gs	Method	GENSCAN
Start	223	End	1539
GI	none	Score	.54
Exons	223..445, 1201..1348, 1453..1539		

Seq. No.	6418	Seq. ID	OJ990311_15.9819.C2

Gene No.	13547	Strand	-
Start	1646	End	2119
Name	OJ990311_15.9819.C2.o2.gs	Method	GENSCAN
Start	1646	End	2119
GI	none	Score	.49
Exons	1646..1719, 2065..2119		

Seq. No.	6419	Seq. ID	OJ990311_15.9819.C5
Gene No.	13548	Strand	+
Start	1	End	1262
Name	OJ990311_15.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	1262
GI	4505631	Score	1377
Exons	1..1014, 1237..1262		
GI Descrip.	protocadherin 1 (cadherin-like 1) gi|387675 (L11370) protocadherin 42 [Homo sapiens]		

Seq. No.	6419	Seq. ID	OJ990311_15.9819.C5
Gene No.	13548	Strand	+
Start	1	End	1262
Name	OJ990311_15.9819.C5.o1.gs	Method	GENSCAN
Start	50	End	803
GI	none	Score	.55
Exons	50..803		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13549	Strand	+
Start	14357	End	19008
Name	OJ990311_15.9819.C6.o3.gs	Method	GENSCAN
Start	14357	End	18830
GI	none	Score	.95
Exons	14357..14551, 15473..15682, 16401..16463, 16545..16618, 17417..17471, 17579..17683, 17766..17847, 18162..18274, 18429..18830		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13549	Strand	+
Start	14357	End	19008
Name	OJ990311_15.9819.C6.o3.np	Method	AAT/NAP
Start	14369	End	19008
GI	3395938	Score	1174
Exons	14369..14551, 15473..15682, 16401..16463, 16545..16618, 16716..16811, 17417..17471, 17576..17683, 17766..17847, 18162..18274, 18429..18572, 18886..19008		
GI Descrip.	(AF076924) polypyrimidine tract-binding protein homolog [Arabidopsis thaliana]		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13549	Strand	+
Start	14357	End	19008
Name	OJ990311_15.9819.C6.o9.gp	Method	AAT/GAP
Start	17813	End	18998
GI	77048_1.R1084	Score	1252
Exons	17813..17847, 18162..18274, 18429..18998		
GI Descrip.	'3395938 6.0e-26 (AF076924) polypyrimidine tract-binding protein homolog [Arabidopsis thaliana]'		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13550	Strand	+
Start	24755	End	25072
Name	OJ990311_15.9819.C6.o4.np	Method	AAT/NAP
Start	24755	End	25072
GI	1223972	Score	566
Exons	24755..25072		
GI Descrip.	(U40814) unknown [Oryza sativa]		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13551	Strand	+
Start	26480	End	26844
Name	OJ990311_15.9819.C6.o5.np	Method	AAT/NAP
Start	26480	End	26844
GI	6539585	Score	151
Exons	26480..26658, 26790..26844		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o1.gp	Method	AAT/GAP
Start	2194	End	2633
GI	43801_1.R1084	Score	597
Exons	2194..2435, 2540..2633		
GI Descrip.	'4056477 1.0e-16 (AC005896) putative RNA binding protein [Arabidopsis thaliana]'		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o2.gs	Method	GENSCAN
Start	2370	End	11226
GI	none	Score	.67
Exons	2370..2435, 2540..2821, 3156..3257, 3682..3995, 7974..8069, 8495..8643, 9076..9134, 9216..9352, 9401..9482, 9569..9826, 9919..10341, 10654..11226		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o1.np	Method	AAT/NAP
Start	2373	End	4097
GI	4056477	Score	597
Exons	2373..2435, 2540..2821, 3156..3257, 3750..4097		
GI Descrip.	(AC005896) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o2.gp	Method	AAT/GAP
Start	3857	End	4133
GI	none	Score	499
Exons	3857..4133		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-

Start	2370	End	12069
Name	OJ990311_15.9819.C6.o4.gp	Method	AAT/GAP
Start	7578	End	8053
GI	none	Score	919
Exons	7578..8053		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o5.gp	Method	AAT/GAP
Start	8375	End	8862
GI	none	Score	582
Exons	8375..8643, 8811..8862		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o6.gp	Method	AAT/GAP
Start	8711	End	9302
GI	uC-osflm202104e10b1	Score	539
Exons	8711..8883, 9076..9134, 9216..9302		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o7.gp	Method	AAT/GAP
Start	8792	End	9332
GI	uC-osflm202104e10b1	Score	465
Exons	8792..8883, 9076..9134, 9216..9332		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o2.np	Method	AAT/NAP
Start	9267	End	11223
GI	5080792	Score	930
Exons	9267..9482, 9569..9826, 9919..10122, 10186..10341, 10654..11223		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13552	Strand	-
Start	2370	End	12069
Name	OJ990311_15.9819.C6.o8.gp	Method	AAT/GAP
Start	10798	End	12069
GI	44258_1.R1084	Score	998
Exons	10798..11229, 11943..12069		
GI Descrip.	'5080792/gb|AAD39302.1|AC007576_25 5.0e-23 (AC007576) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o2.tm	Method	TBLASTX:Maize

Start	2352	End	3260
GI	none	Score	91
Exons	2352..2435, 2362..2430, 2364..2435, 2365..2448, 2536..2625, 2540..2749, 2540..2785, 2561..2617, 2677..2766, 2744..2833, 2760..2819, 3153..3227, 3159..3260, 3160..3255, 3163..3231, 3165..3233		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	2370	End	3843
GI	none	Score	65
Exons	2370..2435, 2383..2481, 2538..2744, 2540..2743, 2543..2719, 2543..2731, 2562..2732, 2759..2815, 2760..2819, 3154..3258, 3156..3266, 3159..3260, 3745..3843, 3747..3842		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o3.ts	Method	TBLASTX:Soybean
Start	2382	End	3843
GI	none	Score	63
Exons	2382..2435, 2543..2659, 2543..2731, 2558..2659, 2562..2732, 2654..2818, 2657..2734, 2657..2749, 2778..2819, 3154..3258, 3156..3260, 3156..3266, 3159..3260, 3745..3843, 3747..3842		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o3.tw	Method	TBLASTX:Wheat
Start	2391	End	3260
GI	none	Score	60
Exons	2391..2438, 2543..2731, 2544..2723, 3159..3260, 3160..3255		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	8343	End	11092
GI	none	Score	89
Exons	8343..8483, 8349..8450, 8356..8451, 8464..8532, 8497..8523, 8504..8533, 8527..8556, 8528..8557, 8531..8560, 8555..8617, 8556..8615, 8564..8632, 8565..8645, 8566..8637, 8637..8672, 8660..8701, 8672..8701, 8673..8708, 8808..8882, 8809..8898, 8824..8883, 9071..9139, 9074..9136, 9212..9304, 9214..9294, 9297..9485, 9298..9483, 9298..9486, 9566..9829, 9600..9842, 9602..9748, 9618..9827, 9919..9966, 9920..9967, 9946..10341, 9947..9994, 9970..10344, 10059..10358, 10636..10689, 10642..10812, 10961..11092		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	9300	End	11187
GI	none	Score	126

Exons	9300..9485, 9301..9495, 9565..9828, 9566..9829, 9566..9727, 9618..9827, 9623..9748, 9623..9721, 9910..10209, 9946..10191, 9951..10211, 10058..10195, 10138..10341, 10247..10345, 10645..10737, 10645..10839, 10646..10738, 10654..10803, 10783..10842, 10831..11115, 10880..11116, 11134..11187		
Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o3.tc	Method	TBLASTX:Cress
Start	9566	End	10785
GI	none	Score	81
Exons	9566..9823, 9584..9715, 9621..9725, 9759..9809, 10639..10785		
Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	9623	End	10221
GI	none	Score	144
Exons	9623..9745, 9711..9827, 9712..9828, 9713..9829, 9746..9829, 9913..10221, 9919..10221		
Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o4.tc	Method	TBLASTX:Cress
Start	10900	End	11223
GI	none	Score	170
Exons	10900..11151, 10901..11116, 11134..11184, 11188..11223		
Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o6.tm	Method	TBLASTX:Maize
Start	11092	End	11215
GI	none	Score	47
Exons	11092..11214, 11093..11128, 11096..11215, 11097..11204, 11183..11215		
Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	14360	End	18275
GI	none	Score	251
Exons	14360..14476, 14390..14551, 14392..14550, 15475..15702, 15476..15706, 16350..16463, 16389..16478, 16400..16459, 16542..16646, 16542..16619, 16713..16811, 16714..16812, 16744..16812, 17414..17461, 17415..17462, 17564..17686, 17575..17685, 17765..17842, 17765..17851, 17766..17843, 17766..17843, 18143..18274, 18145..18270, 18161..18274, 18189..18275, 18221..18274		
Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163

Name	OJ990311_15.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	14390	End	17864
GI	none	Score	256
Exons	14390..14551, 14390..14476, 15475..15702, 15476..15706, 15533..15712, 16389..16478, 16400..16462, 16542..16619, 16714..16797, 17766..17864		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	14390	End	15568
GI	none	Score	241
Exons	14390..14551, 14390..14476, 14392..14550, 15475..15567, 15476..15568		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o4.tm	Method	TBLASTX:Maize
Start	14390	End	15682
GI	none	Score	271
Exons	14390..14551, 14390..14476, 14392..14550, 15476..15682, 15487..15675		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	15997	End	18274
GI	none	Score	77
Exons	15997..16068, 16002..16067, 16058..16096, 16067..16096, 16326..16463, 16400..16465, 16400..16462, 16539..16628, 16541..16621, 16716..16811, 16717..16812, 16719..16811, 17415..17462, 17576..17599, 17763..17843, 18143..18211, 18227..18274		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o4.ts	Method	TBLASTX:Soybean
Start	18143	End	18275
GI	none	Score	194
Exons	18143..18274, 18151..18273, 18201..18275		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-
Start	26573	End	27163
Name	OJ990311_15.9819.C6.o5.tm	Method	TBLASTX:Maize
Start	18390	End	18720
GI	none	Score	142
Exons	18390..18524, 18410..18577, 18428..18526, 18581..18625, 18600..18647, 18633..18686, 18636..18707, 18637..18720, 18682..18708		

Seq. No.	6420	Seq. ID	OJ990311_15.9819.C6
Gene No.	13553	Strand	-

Start	26573	End	27163
Name	OJ990311_15.9819.C6.o5.gs	Method	GENSCAN
Start	26573	End	27163
GI	none	Score	.52
Exons	26573..26658, 26926..27049, 27055..27163		

Seq. No.	6421	Seq. ID	OJ990311_15.9819.C7
Gene No.	13554	Strand	+
Start	1	End	2990
Name	OJ990311_15.9819.C7.o2.np	Method	AAT/NAP
Start	1	End	2990
GI	4505631	Score	146
Exons	1..23, 2740..2990		
GI Descrip.	protocadherin 1 (cadherin-like 1) gi|387675 (L11370) protocadherin 42 [Homo sapiens]		

Seq. No.	6421	Seq. ID	OJ990311_15.9819.C7
Gene No.	13554	Strand	+
Start	1	End	2990
Name	OJ990311_15.9819.C7.o1.gs	Method	GENSCAN
Start	435	End	1746
GI	none	Score	.89
Exons	435..437, 699..862, 1434..1746		

Seq. No.	6421	Seq. ID	OJ990311_15.9819.C7
Gene No.	13554	Strand	+
Start	1	End	2990
Name	OJ990311_15.9819.C7.o1.gp	Method	AAT/GAP
Start	990	End	1464
GI	LIB3432-059-P1-K1-D8	Score	770
Exons	990..1464		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	6421	Seq. ID	OJ990311_15.9819.C7
Gene No.	13554	Strand	+
Start	1	End	2990
Name	OJ990311_15.9819.C7.o1.np	Method	AAT/NAP
Start	2296	End	2990
GI	4138916	Score	218
Exons	2296..2419, 2510..2628, 2964..2990		
GI Descrip.	(AF059489) expansin precursor [Lycopersicon esculentum]		

Seq. No.	6421	Seq. ID	OJ990311_15.9819.C7
Gene No.	13555	Strand	-
Start	2023	End	2754
Name	OJ990311_15.9819.C7.o2.gs	Method	GENSCAN
Start	2023	End	2754
GI	none	Score	.58
Exons	2023..2093, 2261..2387, 2539..2754		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13556	Strand	+
Start	1	End	862
Name	OJ990311_15.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	862
GI	3461833	Score	566

Exons	1..180, 550..862		
GI Descrip.	(AC004138) putative expansin [Arabidopsis thaliana]		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13557	Strand	+
Start	2276	End	7240
Name	OJ990311_15.9819.C8.o2.gs	Method	GENSCAN
Start	2276	End	6600
GI	none	Score	.82
Exons	2276..2373, 2823..2969, 3483..3585, 3626..3772, 4628..4932, 5304..5418, 5964..6092, 6179..6346, 6496..6600		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13557	Strand	+
Start	2276	End	7240
Name	OJ990311_15.9819.C8.o1.gp	Method	AAT/GAP
Start	6272	End	7240
GI	3763712	Score	477
Exons	6272..6346, 7022..7240		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13558	Strand	+
Start	9312	End	11467
Name	OJ990311_15.9819.C8.o2.gp	Method	AAT/GAP
Start	9301	End	10940
GI	none	Score	745
Exons	9301..9397, 10234..10306, 10393..10421, 10527..10650, 10843..10940		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13558	Strand	+
Start	9312	End	11467
Name	OJ990311_15.9819.C8.o3.gs	Method	GENSCAN
Start	9312	End	11467
GI	none	Score	.89
Exons	9312..9397, 10234..10306, 10393..10421, 10527..10650, 11184..11284, 11365..11467		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13559	Strand	+
Start	20463	End	29114
Name	OJ990311_15.9819.C8.o6.gs	Method	GENSCAN
Start	20463	End	28805
GI	none	Score	.8
Exons	20463..20564, 20629..20704, 20747..20786, 21064..21178, 21281..21484, 21716..21844, 21924..22091, 22780..22910, 23592..23682, 24438..24538, 25224..25313, 27102..27225, 27754..27864, 28480..28580, 28673..28805		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13559	Strand	+
Start	20463	End	29114
Name	OJ990311_15.9819.C8.o4.gp	Method	AAT/GAP
Start	28662	End	29114
GI	5667517	Score	732
Exons	28662..29114		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13560	Strand	+
Start	31483	End	32161
Name	OJ990311_15.9819.C8.o6.gp	Method	AAT/GAP
Start	31483	End	32161
GI	LIB3432-040-P1-K1-G9	Score	804
Exons	31483..31599, 31750..31960, 32038..32161		
GI Descrip.	'5441877/dbj|BAA82375.1| 3.0e-18 (AP000367) Similar to glycogenin glucosyltransferase (EC 2.4.1.186). (Z97341) [Oryza sativa]'		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13561	Strand	-
Start	11953	End	18450
Name	OJ990311_15.9819.C8.o4.gs	Method	GENSCAN
Start	11953	End	14080
GI	none	Score	.4
Exons	11953..12009, 12147..12292, 12586..13305, 13396..14080		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13561	Strand	-
Start	11953	End	18450
Name	OJ990311_15.9819.C8.o2.np	Method	AAT/NAP
Start	12018	End	18450
GI	6466937	Score	2440
Exons	12018..12121, 12561..16738, 16805..16969, 18375..18450		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13561	Strand	-
Start	11953	End	18450
Name	OJ990311_15.9819.C8.o3.np	Method	AAT/NAP
Start	12595	End	17161
GI	3810596	Score	1096
Exons	12595..13522, 14864..15112, 15182..16026, 16117..16500, 16585..16768, 16875..17161		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13561	Strand	-
Start	11953	End	18450
Name	OJ990311_15.9819.C8.o5.gs	Method	GENSCAN
Start	14249	End	17801
GI	none	Score	.62
Exons	14249..15579, 15817..16044, 16057..16582, 16643..16692, 16780..16923, 16925..17240, 17655..17801		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13562	Strand	-
Start	25541	End	25596
Name	OJ990311_15.9819.C8.o3.gp	Method	AAT/GAP
Start	25541	End	25596
GI	15361_2.R1084	Score	80
Exons	25541..25596		
GI Descrip.	'4510346/gb|AAD21435.1| 5.0e-12 (AC006921) hypothetical protein		

[Arabidopsis thaliana]'

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13563	Strand	-
Start	30067	End	30681
Name	OJ990311_15.9819.C8.o7.gs	Method	GENSCAN
Start	30067	End	30681
GI	none	Score	.59
Exons	30067..30681		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13563	Strand	-
Start	30067	End	30681
Name	OJ990311_15.9819.C8.o4.np	Method	AAT/NAP
Start	30123	End	30537
GI	5080796	Score	129
Exons	30123..30161, 30232..30537		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13564	Strand	-
Start	31234	End	31467
Name	OJ990311_15.9819.C8.o5.gp	Method	AAT/GAP
Start	31234	End	31467
GI	none	Score	408
Exons	31234..31467		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	76	End	859
GI	none	Score	123
Exons	76..168, 77..175, 547..612, 548..628, 683..859, 691..858		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	76	End	859
GI	none	Score	141
Exons	76..168, 77..175, 547..612, 548..628, 683..859, 691..858		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o6.tm	Method	TBLASTX:Maize
Start	116	End	865
GI	none	Score	72
Exons	116..175, 547..612, 548..628, 680..865, 691..864		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o6.ts	Method	TBLASTX:Soybean
Start	5335	End	21478
GI	none	Score	91

Exons	5335..5424, 5337..5444, 5534..5728, 5555..5674, 21076..21174, 21083..21178, 21284..21478		
Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o7.ts	Method	TBLASTX:Soybean
Start	6254	End	23648
GI	none	Score	75
Exons	6254..6337, 7036..7182, 7037..7180, 21999..22097, 23503..23646, 23508..23648		
Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o9.tm	Method	TBLASTX:Maize
Start	10232	End	28799
GI	none	Score	109
Exons	10232..10360, 10519..10644, 10533..10640, 10534..10644, 10837..10953, 10844..10954, 10857..10955, 11183..11284, 11184..11279, 11185..11280, 11366..11458, 11369..11461, 26804..26893, 27076..27216, 27108..27215, 27755..27865, 27756..27866, 27758..27877, 28479..28580, 28480..28575, 28671..28799, 28671..28775		
Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o5.tm	Method	TBLASTX:Maize
Start	12575	End	13118
GI	none	Score	90
Exons	12575..12760, 12576..12725, 12794..13072, 12828..13118		
Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o7.tw	Method	TBLASTX:Wheat
Start	12611	End	12787
GI	none	Score	94
Exons	12611..12733, 12611..12787		
Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o4.tw	Method	TBLASTX:Wheat
Start	12794	End	13112
GI	none	Score	131
Exons	12794..13072, 12825..13112, 12843..13106		
Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	13202	End	13834
GI	none	Score	160
Exons	13202..13468, 13221..13466, 13466..13834, 13476..13748		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o6.tw	Method	TBLASTX:Wheat
Start	13202	End	13579
GI	none	Score	62
Exons	13202..13465, 13332..13466, 13463..13579		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o4.ts	Method	TBLASTX:Soybean
Start	13430	End	13813
GI	none	Score	179
Exons	13430..13465, 13463..13813, 13467..13784		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o3.tw	Method	TBLASTX:Wheat
Start	13667	End	14059
GI	none	Score	350
Exons	13667..14059		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o7.tm	Method	TBLASTX:Maize
Start	13835	End	14239
GI	none	Score	135
Exons	13835..14074, 14081..14239		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o4.tm	Method	TBLASTX:Maize
Start	14255	End	14779
GI	none	Score	103
Exons	14255..14545, 14271..14465, 14520..14705, 14528..14779, 14637..14765		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o5.tw	Method	TBLASTX:Wheat
Start	14405	End	14803
GI	none	Score	240
Exons	14405..14542, 14528..14803		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o3.ts	Method	TBLASTX:Soybean
Start	14528	End	14869
GI	none	Score	308
Exons	14528..14869		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	14798	End	15277
GI	none	Score	227
Exons	14798..15277, 14805..15269, 14852..15271		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	14852	End	15334
GI	none	Score	193
Exons	14852..15334, 14892..15230, 14894..15334		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o5.ts	Method	TBLASTX:Soybean
Start	14984	End	15298
GI	none	Score	77
Exons	14984..15298, 14985..15272		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o11.tm	Method	TBLASTX:Maize
Start	30173	End	30504
GI	none	Score	131
Exons	30173..30373, 30223..30372, 30466..30504		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o8.gs	Method	GENSCAN
Start	31439	End	40917
GI	none	Score	.76
Exons	31439..31610, 31718..31915, 32019..32218, 32299..32412, 32488..32674, 33086..33327, 34428..34526, 34607..34834, 34874..34938, 35033..35174, 38320..38473, 39712..39882, 40050..40079, 40167..40251, 40621..40684, 40776..40917		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o5.np	Method	AAT/NAP
Start	31448	End	34810
GI	6730659	Score	1082
Exons	31448..31609, 31718..31915, 32019..32218, 32299..32412, 32488..32624, 32707..32817, 33075..33327, 34428..34526, 34607..34810		
GI Descrip.	(AC007945) F28C11.9 [Arabidopsis thaliana]		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917

Name	OJ990311_15.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	31460	End	34651
GI	none	Score	70
Exons	31460..31543, 31526..31612, 31765..31917, 31787..31891, 32012..32239, 32021..32221, 32308..32415, 32324..32407, 32470..32670, 32471..32632, 32658..32819, 32705..32818, 33076..33165, 33076..33165, 33145..33312, 33164..33322, 34428..34526, 34429..34527, 34604..34651		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	31461	End	32576
GI	none	Score	136
Exons	31461..31613, 31466..31618, 31466..31612, 31467..31613, 31708..31770, 31710..31772, 31770..31916, 31771..31923, 31772..31915, 32012..32233, 32022..32213, 32283..32408, 32288..32413, 32293..32409, 32297..32413, 32299..32415, 32470..32571, 32471..32572, 32510..32572, 32511..32576		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	31777	End	34651
GI	none	Score	112
Exons	31777..31893, 32015..32239, 32296..32424, 32471..32626, 32485..32613, 32705..32818, 32706..32819, 33076..33243, 33076..33312, 33083..33334, 34440..34526, 34604..34651		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	31779	End	32374
GI	none	Score	139
Exons	31779..31916, 31780..31923, 31781..31915, 32012..32233, 32021..32230, 32288..32374, 32299..32373		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o8.tm	Method	TBLASTX:Maize
Start	32578	End	33264
GI	none	Score	66
Exons	32578..32613, 32579..32626, 32658..32819, 32705..32818, 33076..33264, 33086..33256		

Seq. No.	6422	Seq. ID	OJ990311_15.9819.C8
Gene No.	13565	Strand	-
Start	31439	End	40917
Name	OJ990311_15.9819.C8.o10.tm	Method	TBLASTX:Maize
Start	34431	End	34882
GI	none	Score	63
Exons	34431..34526, 34441..34518, 34604..34651, 34620..34649, 34709..34882		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o1.gs	Method	GENSCAN
Start	77	End	1302
GI	none	Score	.86
Exons	77..135, 678..813, 1102..1302		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o1.np	Method	AAT/NAP
Start	551	End	5329
GI	3461821	Score	725
Exons	551..595, 2041..2386, 2908..3020, 3288..3395, 3962..4257, 4781..4977, 5077..5329		
GI Descrip.	(AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o2.gs	Method	GENSCAN
Start	1858	End	16488
GI	none	Score	.63
Exons	1858..2376, 2446..2529, 3288..3395, 3496..3538, 4019..4201, 4601..4698, 4781..4884, 5077..5307, 5619..5739, 6051..6128, 6523..6599, 8405..8537, 9213..9418, 10045..10164, 10226..10313, 10391..10424, 10872..11002, 11219..11292, 11433..11511, 11965..12038, 12881..12968, 13218..13344, 13428..13532, 14010..14133, 14215..14266, 15475..15519, 16090..16188, 16336..16488		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o1.gp	Method	AAT/GAP
Start	2208	End	4661
GI	49573_1.R1084	Score	1228
Exons	2208..2386, 2908..3020, 3288..3395, 3496..3538, 4019..4201, 4601..4661		
GI Descrip.	'3461821 2.0e-49 (AC004138) putative nucleoside triphosphatase [Arabidopsis thaliana]'		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o2.np	Method	AAT/NAP
Start	6386	End	6468
GI	6630699	Score	95
Exons	6386..6468		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9

Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o3.np	Method	AAT/NAP
Start	6596	End	7026
GI	6539570	Score	218
Exons	6596..6798, 6945..7026		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o4.np	Method	AAT/NAP
Start	11479	End	16188
GI	2894600	Score	485
Exons	11479..11511, 11618..11707, 11965..12038, 12881..12968, 13218..13344, 13428..13538, 14167..14266, 16090..16188		
GI Descrip.	(AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o3.gp	Method	AAT/GAP
Start	11963	End	14082
GI	2443118	Score	850
Exons	11963..12038, 12881..12968, 13218..13344, 13428..13532, 14010..14082		
GI Descrip.	2894600/emb|CAA17134.1| 1.0e-47 (AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o5.np	Method	AAT/NAP
Start	14103	End	16482
GI	6138901	Score	75
Exons	14103..14136, 16336..16482		
GI Descrip.	(AL132675) hypothetical integral membrane protein [Schizosaccharomyces pombe]		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13566	Strand	+
Start	77	End	16763
Name	OJ990311_15.9819.C9.o4.gp	Method	AAT/GAP
Start	16320	End	16763
GI	none	Score	835
Exons	16320..16763		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13567	Strand	+
Start	16962	End	18818
Name	OJ990311_15.9819.C9.o6.np	Method	AAT/NAP
Start	16962	End	18818
GI	231574	Score	172
Exons	16962..16996, 18279..18459, 18490..18818		
GI Descrip.	L-ASPARAGINASE (L-ASPARAGINE AMIDOHYDROLASE) gi|81837|pir||S22523 asparaginase (EC 3.5.1.1) - tree lupine (fragment) gi|19137|emb|CAA36824| (X52588) asparaginase [Lupinus		

arboreus]

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13568	Strand	-
Start	6385	End	6811
Name	OJ990311_15.9819.C9.o2.gp	Method	AAT/GAP
Start	6385	End	6811
GI	LIB3479-006-Q6-K1-B11	Score	609
Exons	6385..6811		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13569	Strand	-
Start	17741	End	20814
Name	OJ990311_15.9819.C9.o3.gs	Method	GENSCAN
Start	17741	End	20814
GI	none	Score	.88
Exons	17741..18180, 18203..18354, 18360..18552, 18596..18775, 20691..20814		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	1929	End	2238
GI	none	Score	284
Exons	1929..1970, 2040..2237, 2041..2238		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o6.tm	Method	TBLASTX:Maize
Start	2244	End	3546
GI	none	Score	135
Exons	2244..2396, 2246..2377, 2248..2391, 2904..3020, 2907..3023, 2951..3028, 3283..3390, 3284..3394, 3285..3395, 3285..3395, 3295..3414, 3476..3538, 3489..3539, 3493..3546, 3495..3545		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	3294	End	5326
GI	none	Score	101
Exons	3294..3392, 4093..4197, 4599..4715, 4600..4746, 4744..4977, 4778..4978, 5075..5137, 5092..5136, 5257..5322, 5258..5326		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	4020	End	5211
GI	none	Score	83
Exons	4020..4073, 4024..4071, 4098..4199, 4101..4196, 4599..4703, 4600..4698, 4771..4890, 4771..4986, 4778..4987, 5057..5137, 5072..5203, 5074..5211, 5074..5208		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	4599	End	5179
GI	none	Score	132
Exons	4599..4682, 4600..4698, 4744..4986, 4778..4987, 5075..5179		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	5212	End	5431
GI	none	Score	194
Exons	5212..5364, 5215..5427, 5217..5366, 5345..5383, 5392..5421, 5402..5431		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	14003	End	16543
GI	none	Score	186
Exons	14003..14134, 14008..14064, 14013..14135, 14213..14266, 14216..14275, 15459..15527, 15473..15520, 16087..16188, 16089..16187, 16106..16192, 16330..16491, 16332..16499, 16335..16490, 16336..16491, 16406..16543		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	18278	End	18764
GI	none	Score	128
Exons	18278..18367, 18279..18368, 18480..18581, 18480..18581, 18481..18582, 18481..18585, 18579..18635, 18580..18633, 18580..18636, 18648..18764, 18653..18763		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o5.tm	Method	TBLASTX:Maize
Start	18585	End	18764
GI	none	Score	62
Exons	18585..18635, 18586..18633, 18648..18764, 18648..18749, 18650..18763		

Seq. No.	6423	Seq. ID	OJ990311_15.9819.C9
Gene No.	13570	Strand	-
Start	23878	End	24442
Name	OJ990311_15.9819.C9.o4.gs	Method	GENSCAN
Start	23878	End	24442
GI	none	Score	.71
Exons	23878..23991, 24371..24442		

Seq. No.	6424	Seq. ID	OJ990311_16.9819.C1

Gene No.	13571	Strand	-
Start	20	End	166
Name	OJ990311_16.9819.C1.o1.gs	Method	GENSCAN
Start	20	End	166
GI	none	Score	.41
Exons	20..166		

Seq. No.	6425	Seq. ID	OJ990311_16.9819.C5
Gene No.	13572	Strand	-
Start	1	End	751
Name	OJ990311_16.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	751
GI	5091513	Score	1068
Exons	1..751		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6425	Seq. ID	OJ990311_16.9819.C5
Gene No.	13572	Strand	-
Start	1	End	751
Name	OJ990311_16.9819.C5.o1.gs	Method	GENSCAN
Start	17	End	542
GI	none	Score	1
Exons	17..542		

Seq. No.	6426	Seq. ID	OJ990311_16.9819.C6
Gene No.	13573	Strand	+
Start	372	End	571
Name	OJ990311_16.9819.C6.o1.gs	Method	GENSCAN
Start	372	End	571
GI	none	Score	.67
Exons	372..413, 479..571		

Seq. No.	6427	Seq. ID	OJ990311_16.9819.C8
Gene No.	13574	Strand	+
Start	131	End	468
Name	OJ990311_16.9819.C8.o1.gs	Method	GENSCAN
Start	131	End	468
GI	none	Score	.78
Exons	131..136, 406..468		

Seq. No.	6428	Seq. ID	OJ990311_16.9819.C10
Gene No.	13575	Strand	-
Start	1	End	766
Name	OJ990311_16.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	766
GI	5123708	Score	108
Exons	1..23, 289..463, 738..766		
GI Descrip.	(AL079347) RNA helicase (RH16) [Arabidopsis thaliana]		

Seq. No.	6428	Seq. ID	OJ990311_16.9819.C10
Gene No.	13575	Strand	-
Start	1	End	766
Name	OJ990311_16.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	296	End	465
GI	none	Score	232
Exons	296..463, 297..464, 297..464, 298..465		

Seq. No.	6429	Seq. ID	OJ990311_16.9819.C13
Gene No.	13576	Strand	-
Start	228	End	291
Name	OJ990311_16.9819.C13.o1.gs	Method	GENSCAN
Start	228	End	291
GI	none	Score	.88
Exons	228..291		

Seq. No.	6430	Seq. ID	OJ990311_16.9819.C14
Gene No.	13577	Strand	-
Start	1	End	749
Name	OJ990311_16.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	749
GI	3445201	Score	326
Exons	1..24, 250..461, 614..749		
GI Descrip.	(AC004786) unknown protein [Arabidopsis thaliana]		

Seq. No.	6430	Seq. ID	OJ990311_16.9819.C14
Gene No.	13577	Strand	-
Start	1	End	749
Name	OJ990311_16.9819.C14.o1.gs	Method	GENSCAN
Start	219	End	657
GI	none	Score	.7
Exons	219..461, 608..657		

Seq. No.	6430	Seq. ID	OJ990311_16.9819.C14
Gene No.	13577	Strand	-
Start	1	End	749
Name	OJ990311_16.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	286	End	430
GI	none	Score	100
Exons	286..429, 289..429, 293..430		

Seq. No.	6430	Seq. ID	OJ990311_16.9819.C14
Gene No.	13577	Strand	-
Start	1	End	749
Name	OJ990311_16.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	289	End	746
GI	none	Score	132
Exons	289..459, 293..460, 651..746		

Seq. No.	6430	Seq. ID	OJ990311_16.9819.C14
Gene No.	13577	Strand	-
Start	1	End	749
Name	OJ990311_16.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	297	End	590
GI	none	Score	305
Exons	297..464, 298..465, 299..466, 540..590		

Seq. No.	6431	Seq. ID	OJ990311_16.9819.C15
Gene No.	13578	Strand	-
Start	215	End	597
Name	OJ990311_16.9819.C15.o1.gs	Method	GENSCAN
Start	215	End	597
GI	none	Score	.61
Exons	215..308, 586..597		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13579	Strand	+
Start	2432	End	2735
Name	OJ990311_16.9819.C17.o1.gp	Method	AAT/GAP
Start	2432	End	2735
GI	72524_1.R1084	Score	444
Exons	2432..2735		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13580	Strand	+
Start	3576	End	7822
Name	OJ990311_16.9819.C17.o1.np	Method	AAT/NAP
Start	3576	End	7822
GI	5091513	Score	2466
Exons	3576..5092, 5747..6408, 6547..6740, 7758..7822		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13580	Strand	+
Start	3576	End	7822
Name	OJ990311_16.9819.C17.o1.gs	Method	GENSCAN
Start	3821	End	7068
GI	none	Score	.65
Exons	3821..5103, 5802..6586, 6611..7068		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13581	Strand	+
Start	9976	End	11394
Name	OJ990311_16.9819.C17.o3.gp	Method	AAT/GAP
Start	9946	End	10310
GI	uC-osroM202008b05b1	Score	701
Exons	9946..10310		
GI Descrip.	'2244805/emb|CAB10228.1| 6.0e-10 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13581	Strand	+
Start	9976	End	11394
Name	OJ990311_16.9819.C17.o3.gs	Method	GENSCAN
Start	9976	End	11394
GI	none	Score	1
Exons	9976..11394		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13582	Strand	+
Start	26654	End	41856
Name	OJ990311_16.9819.C17.o7.gs	Method	GENSCAN
Start	26654	End	41856
GI	none	Score	.53
Exons	26654..26840, 30604..30994, 32148..32224, 32654..32864, 34147..34531, 35001..35165, 35630..35758, 36189..36289, 36602..36710, 37008..37139, 38193..38372, 38611..38706, 38826..38963, 39927..40009, 40314..40351, 40435..40655, 41779..41856		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13582	Strand	+
Start	26654	End	41856
Name	OJ990311_16.9819.C17.o5.np	Method	AAT/NAP
Start	34385	End	40658
GI	3184061	Score	466
Exons	34385..34531, 35001..35165, 35439..35523, 35625..35728, 36171..36289, 36647..36746, 37008..37139, 37771..37836, 38121..38376, 38615..38762, 38855..38963, 39927..40009, 40314..40351, 40435..40658		
GI Descrip.	(AL023776) probable atp-dependent rna helicase [Schizosaccharomyces pombe].		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13582	Strand	+
Start	26654	End	41856
Name	OJ990311_16.9819.C17.o4.gp	Method	AAT/GAP
Start	36613	End	38311
GI	uC-osf1cyp033e08b1	Score	796
Exons	36613..36761, 37008..37139, 37771..37836, 38193..38311		
GI Descrip.	'5123708/emb|CAB45452.1| 7.0e-43 (AL079347) RNA helicase (RH16) [Arabidopsis thaliana]'		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13583	Strand	+
Start	47954	End	48207
Name	OJ990311_16.9819.C17.o5.gp	Method	AAT/GAP
Start	47954	End	48207
GI	8022_1.R1084	Score	341
Exons	47954..48207		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13584	Strand	+
Start	49779	End	51425
Name	OJ990311_16.9819.C17.o9.gs	Method	GENSCAN
Start	49779	End	51425
GI	none	Score	.62
Exons	49779..49843, 50728..50839, 51159..51425		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13585	Strand	+
Start	60468	End	61309
Name	OJ990311_16.9819.C17.o12.gs	Method	GENSCAN
Start	60468	End	61309
GI	none	Score	.54
Exons	60468..60538, 60806..60910, 61114..61309		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13586	Strand	+
Start	70687	End	72402
Name	OJ990311_16.9819.C17.o15.gs	Method	GENSCAN
Start	70687	End	72402
GI	none	Score	.93
Exons	70687..70728, 72250..72402		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13587	Strand	+
Start	83331	End	85364
Name	OJ990311_16.9819.C17.o20.gs	Method	GENSCAN
Start	83331	End	85364
GI	none	Score	.79
Exons	83331..83425, 83444..83585, 85134..85364		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13588	Strand	-
Start	7753	End	9870
Name	OJ990311_16.9819.C17.o2.gs	Method	GENSCAN
Start	7753	End	9870
GI	none	Score	.73
Exons	7753..7889, 9477..9599, 9738..9870		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13588	Strand	-
Start	7753	End	9870
Name	OJ990311_16.9819.C17.o2.gp	Method	AAT/GAP
Start	9147	End	9451
GI	72524_1.R1084	Score	444
Exons	9147..9451		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13589	Strand	-
Start	10413	End	13914
Name	OJ990311_16.9819.C17.o3.np	Method	AAT/NAP
Start	10413	End	13914
GI	5420387	Score	155
Exons	10413..10702, 10872..11338, 13893..13914		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13589	Strand	-
Start	10413	End	13914
Name	OJ990311_16.9819.C17.o4.gs	Method	GENSCAN
Start	12626	End	13235
GI	none	Score	.48
Exons	12626..12654, 13181..13235		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13590	Strand	-
Start	13925	End	15782
Name	OJ990311_16.9819.C17.o5.gs	Method	GENSCAN
Start	13925	End	15782
GI	none	Score	.87
Exons	13925..14071, 14855..14941, 15033..15228, 15553..15782		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13591	Strand	-
Start	23134	End	23989
Name	OJ990311_16.9819.C17.o4.np	Method	AAT/NAP
Start	23134	End	23989
GI	6815063	Score	503

Exons	23134..23181, 23520..23755, 23878..23989		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13592	Strand	-
Start	42383	End	46164
Name	OJ990311_16.9819.C17.o6.np	Method	AAT/NAP
Start	42383	End	46164
GI	3096922	Score	229
Exons	42383..42457, 43572..43769, 43850..43918, 43996..44061, 44159..44229, 46124..46164		
GI Descrip.	(AL023094) putative protein [Arabidopsis thaliana]		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13592	Strand	-
Start	42383	End	46164
Name	OJ990311_16.9819.C17.o8.gs	Method	GENSCAN
Start	42904	End	44890
GI	none	Score	.64
Exons	42904..43025, 43267..43357, 43445..43618, 43698..43769, 43850..43918, 44159..44350, 44456..44571, 44710..44890		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o10.gs	Method	GENSCAN
Start	52749	End	56965
GI	none	Score	.5
Exons	52749..53567, 53664..53888, 54030..54227, 54318..54882, 54884..55065, 55207..55342, 56940..56965		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o7.np	Method	AAT/NAP
Start	52764	End	54227
GI	1652704	Score	253
Exons	52764..52802, 52889..53248, 53279..53567, 53812..54227		
GI Descrip.	(D90907) hypothetical protein [Synechocystis sp.]		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o6.gp	Method	AAT/GAP
Start	56517	End	57587
GI	none	Score	643
Exons	56517..56742, 57450..57587		
Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o8.np	Method	AAT/NAP
Start	57125	End	66881
GI	2827704	Score	290
Exons	57125..57175, 63228..63447, 64822..64936, 65066..65112, 65395..65528, 65601..65688, 66780..66881		
GI Descrip.	(AL021684) LRR-like protein [Arabidopsis thaliana]		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o7.gp	Method	AAT/GAP
Start	58868	End	59160
GI	none	Score	520
Exons	58868..59160		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o13.gs	Method	GENSCAN
Start	63328	End	65688
GI	none	Score	.78
Exons	63328..63447, 63552..63647, 63723..63782, 64822..64936, 65066..65112, 65395..65688		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13593	Strand	-
Start	52749	End	66881
Name	OJ990311_16.9819.C17.o9.np	Method	AAT/NAP
Start	63354	End	66881
GI	2827704	Score	297
Exons	63354..63447, 64822..64936, 65066..65112, 65395..65528, 65601..65688, 66780..66881		
GI Descrip.	(AL021684) LRR-like protein [Arabidopsis thaliana]		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13594	Strand	-
Start	66859	End	68463
Name	OJ990311_16.9819.C17.o8.gp	Method	AAT/GAP
Start	66698	End	67902
GI	none	Score	1017
Exons	66698..66975, 67100..67195, 67311..67364, 67452..67496, 67787..67902		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13594	Strand	-
Start	66859	End	68463
Name	OJ990311_16.9819.C17.o14.gs	Method	GENSCAN
Start	66859	End	68463
GI	none	Score	.94
Exons	66859..66975, 67100..67195, 67311..67496, 67787..67876, 68013..68153, 68158..68463		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13595	Strand	-
Start	73975	End	74767
Name	OJ990311_16.9819.C17.o16.gs	Method	GENSCAN
Start	73975	End	74767
GI	none	Score	.89
Exons	73975..74185, 74406..74542, 74726..74767		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13596	Strand	-
Start	75701	End	75997

Name	OJ990311_16.9819.C17.o17.gs	Method	GENSCAN
Start	75701	End	75997
GI	none	Score	1
Exons	75701..75997		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13597	Strand	-
Start	76686	End	77741
Name	OJ990311_16.9819.C17.o18.gs	Method	GENSCAN
Start	76686	End	77741
GI	none	Score	.64
Exons	76686..76745, 77577..77741		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13598	Strand	-
Start	80632	End	82310
Name	OJ990311_16.9819.C17.o19.gs	Method	GENSCAN
Start	80632	End	82310
GI	none	Score	.94
Exons	80632..80801, 82307..82310		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o4.tc	Method	TBLASTX:Cress
Start	9993	End	10359
GI	none	Score	126
Exons	9993..10148, 9994..10146, 10162..10359, 10182..10280		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o6.tm	Method	TBLASTX:Maize
Start	13914	End	15234
GI	none	Score	59
Exons	13914..13979, 13922..13993, 13925..13987, 13991..14071, 13992..14072, 13993..14073, 15031..15234, 15033..15230		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o3.ts	Method	TBLASTX:Soybean
Start	14882	End	15692
GI	none	Score	54
Exons	14882..14941, 14892..14942, 15033..15230, 15035..15127, 15036..15230, 15106..15234, 15549..15689, 15552..15614, 15660..15692		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o2.tw	Method	TBLASTX:Wheat
Start	15171	End	15767
GI	none	Score	87
Exons	15171..15230, 15172..15234, 15549..15710, 15552..15614, 15660..15767		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o7.tm	Method	TBLASTX:Maize
Start	34424	End	35500
GI	none	Score	163
Exons	34424..34531, 34471..34533, 34515..34583, 35000..35167, 35001..35168, 35437..35499, 35438..35500		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	38195	End	40646
GI	none	Score	75
Exons	38195..38230, 38196..38261, 38247..38375, 38254..38280, 38321..38377, 38611..38712, 38826..38963, 39924..40001, 40312..40350, 40434..40565, 40605..40646		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o5.tm	Method	TBLASTX:Maize
Start	38600	End	40656
GI	none	Score	112
Exons	38600..38707, 38610..38708, 38611..38712, 38803..38961, 38825..38965, 38826..38963, 38902..38964, 39924..40001, 39925..40011, 39926..40009, 40314..40349, 40434..40655, 40434..40652, 40435..40656		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o3.tm	Method	TBLASTX:Maize
Start	43464	End	44052
GI	none	Score	179
Exons	43464..43613, 43473..43619, 43478..43621, 43680..43775, 43696..43800, 43699..43782, 43844..43924, 43855..43938, 43881..43919, 43951..44052, 43996..44049		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o4.ts	Method	TBLASTX:Soybean
Start	43680	End	44272
GI	none	Score	117
Exons	43680..43775, 43844..43924, 43990..44058, 44159..44272		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	43695	End	44257
GI	none	Score	66
Exons	43695..43775, 43705..43782, 43844..43924, 43846..43938, 43852..43935, 43993..44064, 43997..44017, 44156..44257, 44157..44195		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o3.tc	Method	TBLASTX:Cress
Start	43844	End	44224
GI	none	Score	95
Exons	43844..43924, 43993..44058, 44159..44224		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	52826	End	53099
GI	none	Score	297
Exons	52826..53047, 52827..53048, 53042..53098, 53043..53099		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	53054	End	53323
GI	none	Score	154
Exons	53054..53323, 53055..53201, 53144..53323		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o8.tm	Method	TBLASTX:Maize
Start	53414	End	53552
GI	none	Score	214
Exons	53414..53551, 53415..53552		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o4.tm	Method	TBLASTX:Maize
Start	53836	End	54233
GI	none	Score	76
Exons	53836..53892, 53838..53894, 53838..53903, 53997..54086, 54027..54137, 54028..54102, 54135..54233, 54145..54231		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o2.tc	Method	TBLASTX:Cress
Start	63326	End	67153
GI	none	Score	116
Exons	63326..63445, 63328..63444, 63336..63455, 63540..63605, 63547..63606, 66861..66977, 66865..66996, 66866..66973, 67100..67153		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	63328	End	67901

GI	none	Score	142
Exons	63328..63447, 63338..63448, 63538..63639, 63540..63647, 63546..63641, 63547..63669, 63682..63774, 63699..63785, 63722..63793, 64416..64487, 64798..64935, 64823..64936, 66872..66976, 66873..66968, 66874..66996, 67025..67195, 67100..67195, 67296..67367, 67306..67338, 67452..67514, 67790..67900, 67791..67901		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	63337	End	67505
GI	4297403	Score	139
Exons	63337..63447, 63338..63448, 63540..63647, 63547..63648, 63699..63785, 63724..63771, 64416..64487, 66872..66976, 66874..66978, 67097..67192, 67100..67195, 67452..67505		
GI Descrip.	2827704/emb_CAA16677_ 8.0e-09 (AL021684) LRR-like protein [Arabidopsis thaliana]		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o5.tc	Method	TBLASTX:Cress
Start	64819	End	67901
GI	none	Score	122
Exons	64819..64941, 64823..64942, 64831..64950, 65060..65113, 65068..65112, 67458..67514, 67793..67900, 67794..67901		

Seq. No.	6432	Seq. ID	OJ990311_16.9819.C17
Gene No.	13599	Strand	-
Start	86851	End	88562
Name	OJ990311_16.9819.C17.o21.gs	Method	GENSCAN
Start	86851	End	88562
GI	none	Score	.45
Exons	86851..86873, 87691..87796, 88489..88562		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13600	Strand	+
Start	1706	End	6855
Name	OJ990311_16.9819.C18.o1.np	Method	AAT/NAP
Start	1706	End	5082
GI	3445201	Score	520
Exons	1706..2001, 3074..3327, 3480..3739, 4190..4846, 4907..5082		
GI Descrip.	(AC004786) unknown protein [Arabidopsis thaliana]		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13600	Strand	+
Start	1706	End	6855
Name	OJ990311_16.9819.C18.o1.gs	Method	GENSCAN
Start	1715	End	6855
GI	none	Score	.81
Exons	1715..2096, 2493..2618, 3121..3170, 3198..3333, 3480..3843, 4257..5073, 6503..6578, 6695..6855		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13600	Strand	+

Start	1706	End	6855
Name	OJ990311_16.9819.C18.o1.gp	Method	AAT/GAP
Start	1727	End	1876
GI	16732_1.R1084	Score	239
Exons	1727..1876		
GI Descrip.	'3252815 6.0e-48 (AC004705) vacuolar sorting receptor-like protein [Arabidopsis thaliana] >gi_3810588 (AC005398) vacuolar sorting receptor-like protein [Arabidopsis thaliana]'		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13600	Strand	+
Start	1706	End	6855
Name	OJ990311_16.9819.C18.o2.gp	Method	AAT/GAP
Start	3440	End	4413
GI	56445_1.R1084	Score	912
Exons	3440..3843, 4257..4413		
GI Descrip.	'3445201/gb|AAC32431.1| 2.0e-17 (AC004786) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13601	Strand	+
Start	7168	End	7872
Name	OJ990311_16.9819.C18.o2.gs	Method	GENSCAN
Start	7168	End	7872
GI	none	Score	.97
Exons	7168..7872		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13602	Strand	+
Start	7843	End	8093
Name	OJ990311_16.9819.C18.o3.gp	Method	AAT/GAP
Start	7843	End	8093
GI	5005272	Score	407
Exons	7843..8093		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o5.tm	Method	TBLASTX:Maize
Start	2059	End	3332
GI	none	Score	75
Exons	2059..2100, 2060..2098, 3119..3241, 3119..3247, 3150..3311, 3153..3299, 3282..3332		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	3167	End	3652
GI	none	Score	138
Exons	3167..3241, 3168..3290, 3481..3651, 3482..3652		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	3351	End	3643

GI	none	Score	47
Exons	3351..3401, 3475..3642, 3476..3643		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	3511	End	3652
GI	none	Score	213
Exons	3511..3651, 3512..3652		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o4.tm	Method	TBLASTX:Maize
Start	4261	End	4548
GI	none	Score	75
Exons	4261..4374, 4266..4370, 4267..4374, 4374..4547, 4375..4548, 4375..4548		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	4603	End	4863
GI	none	Score	285
Exons	4603..4863, 4605..4862, 4648..4863		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o6.tm	Method	TBLASTX:Maize
Start	4868	End	5352
GI	none	Score	54
Exons	4868..4948, 4869..4946, 4936..5076, 4937..5080, 4981..5082, 5040..5123, 5181..5258, 5183..5224, 5232..5273, 5261..5335, 5288..5338, 5293..5352, 5293..5343		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13603	Strand	-
Start	8265	End	8933
Name	OJ990311_16.9819.C18.o3.gs	Method	GENSCAN
Start	8265	End	8933
GI	none	Score	.5
Exons	8265..8700, 8731..8933		

Seq. No.	6433	Seq. ID	OJ990311_16.9819.C18
Gene No.	13604	Strand	
Start	8975	End	9732
Name	OJ990311_16.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	8975	End	9732
GI	none	Score	126
Exons	8975..9058, 8981..9055, 8982..9068, 8983..9069, 9324..9470, 9324..9494, 9325..9471, 9555..9602, 9556..9603, 9556..9603, 9681..9725, 9682..9732		

Seq. No.	6434	Seq. ID	OJ990311_16.9819.C19

Gene No.	13605	Strand	+
Start	1	End	746
Name	OJ990311_16.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	746
GI	4505631	Score	1021
Exons	1..746		
GI Descrip.	protocadherin 1 (cadherin-like 1) gi|387675 (L11370) protocadherin 42 [Homo sapiens]		

Seq. No.	6434	Seq. ID	OJ990311_16.9819.C19
Gene No.	13605	Strand	+
Start	1	End	746
Name	OJ990311_16.9819.C19.o1.gs	Method	GENSCAN
Start	147	End	595
GI	none	Score	.57
Exons	147..595		

Seq. No.	6435	Seq. ID	OJ990311_17.9819.C1
Gene No.	13606	Strand	+
Start	1	End	764
Name	OJ990311_17.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	764
GI	2498930	Score	53
Exons	1..23, 510..573, 741..764		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	6435	Seq. ID	OJ990311_17.9819.C1
Gene No.	13606	Strand	+
Start	1	End	764
Name	OJ990311_17.9819.C1.o1.gs	Method	GENSCAN
Start	271	End	573
GI	none	Score	.68
Exons	271..391, 514..573		

Seq. No.	6436	Seq. ID	OJ990311_17.9819.C3
Gene No.	13607	Strand	-
Start	1	End	411
Name	OJ990311_17.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	394
GI	5080792	Score	134
Exons	1..175, 239..394		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	6436	Seq. ID	OJ990311_17.9819.C3
Gene No.	13607	Strand	-
Start	1	End	411
Name	OJ990311_17.9819.C3.o1.gs	Method	GENSCAN
Start	17	End	394
GI	none	Score	.96
Exons	17..394		

Seq. No.	6436	Seq. ID	OJ990311_17.9819.C3
Gene No.	13607	Strand	-
Start	1	End	411
Name	OJ990311_17.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	25	End	377

GI	none	Score	79
Exons	25..153, 44..154, 44..172, 174..275, 191..274, 263..376, 300..377		

Seq. No.	6436	Seq. ID	OJ990311_17.9819.C3
Gene No.	13607	Strand	-
Start	1	End	411
Name	OJ990311_17.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	25	End	274
GI	none	Score	292
Exons	25..270, 26..274, 48..272		

Seq. No.	6436	Seq. ID	OJ990311_17.9819.C3
Gene No.	13607	Strand	-
Start	1	End	411
Name	OJ990311_17.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	32	End	411
GI	none	Score	397
Exons	32..394, 40..399, 44..397, 112..411		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13608	Strand	+
Start	3126	End	4936
Name	OJ990311_17.9819.C4.o2.gs	Method	GENSCAN
Start	3126	End	4936
GI	none	Score	.63
Exons	3126..3232, 3297..3424, 4734..4936		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13609	Strand	+
Start	16429	End	19638
Name	OJ990311_17.9819.C4.o1.gp	Method	AAT/GAP
Start	16429	End	19571
GI	none	Score	1416
Exons	16429..16936, 19342..19571		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13609	Strand	+
Start	16429	End	19638
Name	OJ990311_17.9819.C4.o6.gs	Method	GENSCAN
Start	19336	End	19638
GI	none	Score	.71
Exons	19336..19638		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13610	Strand	+
Start	24385	End	26100
Name	OJ990311_17.9819.C4.o4.np	Method	AAT/NAP
Start	24385	End	26100
GI	6907087	Score	908
Exons	24385..24753, 24799..25458, 25999..26100		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13611	Strand	+

Start	26560	End	26939
Name	OJ990311_17.9819.C4.o2.gp	Method	AAT/GAP
Start	26560	End	26939
GI	uC-osflcyp033a04b1	Score	633
Exons	26560..26939		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13612	Strand	+
Start	30529	End	30807
Name	OJ990311_17.9819.C4.o3.gp	Method	AAT/GAP
Start	30529	End	30807
GI	31877_1.R1084	Score	215
Exons	30529..30604, 30739..30807		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13613	Strand	+
Start	32070	End	35954
Name	OJ990311_17.9819.C4.o8.gs	Method	GENSCAN
Start	32070	End	35954
GI	none	Score	.61
Exons	32070..32209, 32261..32582, 32983..33132, 33719..33874, 34066..34157, 34433..34616, 35611..35819, 35840..35954		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13613	Strand	+
Start	32070	End	35954
Name	OJ990311_17.9819.C4.o5.np	Method	AAT/NAP
Start	32083	End	35951
GI	5922620	Score	562
Exons	32083..32187, 33371..33482, 34066..34421, 35811..35951		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13614	Strand	+
Start	40697	End	47206
Name	OJ990311_17.9819.C4.o10.gs	Method	GENSCAN
Start	40697	End	47197
GI	none	Score	.72
Exons	40697..40997, 44499..44752, 46296..46545, 46977..47197		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13614	Strand	+
Start	40697	End	47206
Name	OJ990311_17.9819.C4.o6.np	Method	AAT/NAP
Start	40706	End	47206
GI	4218120	Score	300
Exons	40706..40968, 43850..44006, 44560..44748, 46296..46545, 46977..47206		
GI Descrip.	(AL035353) Proline-rich APG-like protein [Arabidopsis thaliana]		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13615	Strand	+
Start	48030	End	52170
Name	OJ990311_17.9819.C4.o11.gs	Method	GENSCAN
Start	48030	End	52170
GI	none	Score	.75
Exons	48030..48797, 48859..49077, 50032..50312, 50868..51610, 51713..52170		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13616	Strand	+
Start	53000	End	54109
Name	OJ990311_17.9819.C4.o12.gs	Method	GENSCAN
Start	53000	End	54109
GI	none	Score	.91
Exons	53000..53044, 53468..53593, 53969..54109		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13617	Strand	+
Start	72177	End	72791
Name	OJ990311_17.9819.C4.o15.gs	Method	GENSCAN
Start	72177	End	72426
GI	none	Score	.68
Exons	72177..72426		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13617	Strand	+
Start	72177	End	72791
Name	OJ990311_17.9819.C4.o9.np	Method	AAT/NAP
Start	72189	End	72791
GI	4218120	Score	134
Exons	72189..72420, 72759..72791		
GI Descrip.	(AL035353) Proline-rich APG-like protein [Arabidopsis thaliana]		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13618	Strand	-
Start	1	End	1379
Name	OJ990311_17.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	1379
GI	4914386	Score	116
Exons	1..57, 375..418, 585..771, 1259..1379		
GI Descrip.	(AC007167) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13618	Strand	-
Start	1	End	1379
Name	OJ990311_17.9819.C4.o1.gs	Method	GENSCAN
Start	472	End	876
GI	none	Score	.82
Exons	472..876		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13619	Strand	-
Start	6015	End	11651
Name	OJ990311_17.9819.C4.o3.gs	Method	GENSCAN

Start	6015	End	11651
GI	none	Score	.6
Exons	6015..6182, 7247..7294, 7725..7799, 8359..8588, 11307..11435, 11573..11651		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13619	Strand	-
Start	6015	End	11651
Name	OJ990311_17.9819.C4.o2.np	Method	AAT/NAP
Start	7460	End	9768
GI	1091678	Score	1252
Exons	7460..7519, 7816..9768		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13620	Strand	-
Start	17832	End	18884
Name	OJ990311_17.9819.C4.o5.gs	Method	GENSCAN
Start	17832	End	18884
GI	none	Score	.75
Exons	17832..18361, 18593..18884		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13621	Strand	-
Start	54362	End	60038
Name	OJ990311_17.9819.C4.o13.gs	Method	GENSCAN
Start	54362	End	60038
GI	none	Score	.64
Exons	54362..54610, 54652..54743, 54836..54949, 57455..57611, 59967..60038		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	577	End	72434
GI	none	Score	189
Exons	577..699, 694..765, 38510..38680, 40792..40956, 40793..40966, 72246..72323, 72309..72434		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	589	End	72419
GI	none	Score	191
Exons	589..693, 38501..38674, 40787..40960, 40804..40962, 43839..43871, 43893..43937, 46299..46385, 46464..46547, 72275..72316, 72335..72418, 72336..72419		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	7877	End	9325
GI	none	Score	154
Exons	7877..7954, 7967..8035, 8048..8110, 8098..8151, 8371..8592,		

8372..8596, 8373..8597, 8607..8753, 8750..8884, 8758..8964,
8771..8965, 8969..9010, 9017..9160, 9063..9161, 9151..9264,
9154..9264, 9266..9325

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	9326	End	9531
GI	none	Score	141
Exons	9326..9502, 9331..9531, 9334..9513		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	51373	End	51786
GI	none	Score	150
Exons	51373..51621, 51712..51786		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o14.gs	Method	GENSCAN
Start	62073	End	71458
GI	none	Score	.48
Exons	62073..62370, 62465..62750, 63446..63491, 63995..64173, 65533..65584, 67448..67629, 70724..70745, 71456..71458		

Seq. No.	6437	Seq. ID	OJ990311_17.9819.C4
Gene No.	13622	Strand	-
Start	62073	End	72434
Name	OJ990311_17.9819.C4.o8.np	Method	AAT/NAP
Start	63402	End	64173
GI	4680183	Score	203
Exons	63402..63493, 64105..64173		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13623	Strand	+
Start	1587	End	6693
Name	OJ990311_17.9819.C5.o1.gs	Method	GENSCAN
Start	1587	End	6664
GI	none	Score	.85
Exons	1587..1622, 3672..3759, 4592..4672, 5486..5610, 5857..6093, 6194..6664		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13623	Strand	+
Start	1587	End	6693
Name	OJ990311_17.9819.C5.o1.gp	Method	AAT/GAP
Start	5486	End	5538
GI	13677_1.R1084	Score	83
Exons	5486..5538		
GI Descrip.	'4914384/gb|AAD32919.1|AC007167_1 5.0e-15 (AC007167) putative APG protein [Arabidopsis thaliana]'		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13623	Strand	+
Start	1587	End	6693
Name	OJ990311_17.9819.C5.o1.np	Method	AAT/NAP
Start	5486	End	6693
GI	6539248	Score	267
Exons	5486..5630, 5871..6095, 6196..6693		
GI Descrip.	(AC011765) putative lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13623	Strand	+
Start	1587	End	6693
Name	OJ990311_17.9819.C5.o2.gp	Method	AAT/GAP
Start	5975	End	6297
GI	LIB3434-045-P1-K1-H11	Score	319
Exons	5975..6093, 6194..6297		
GI Descrip.	'2062705/gb|U90552|HSU90552 3.0e-10 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13623	Strand	+
Start	1587	End	6693
Name	OJ990311_17.9819.C5.o2.np	Method	AAT/NAP
Start	6186	End	6634
GI	728867	Score	181
Exons	6186..6634		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR gi|99694|pir||S21961 proline-rich protein APG - Arabidopsis thaliana gi|22599|emb|CAA42925| (X60377) APG [Arabidopsis thaliana]		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13624	Strand	-
Start	7251	End	11208
Name	OJ990311_17.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	6188	End	6657
GI	none	Score	76
Exons	6188..6292, 6374..6655, 6388..6657		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13624	Strand	-
Start	7251	End	11208
Name	OJ990311_17.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	6188	End	6592
GI	none	Score	92
Exons	6188..6277, 6196..6261, 6284..6592		

Seq. No.	6438	Seq. ID	OJ990311_17.9819.C5
Gene No.	13624	Strand	-
Start	7251	End	11208
Name	OJ990311_17.9819.C5.o2.gs	Method	GENSCAN
Start	7251	End	11208
GI	none	Score	.43
Exons	7251..7737, 8156..8375, 8422..8466, 10010..10193, 10338..10620, 10780..11208		

Seq. No.	6439	Seq. ID	OJ990311_17.9819.C6

Gene No.	13625	Strand	+
Start	637	End	765
Name	OJ990311_17.9819.C6.o1.gs	Method	GENSCAN
Start	637	End	765
GI	none	Score	.83
Exons	637..765		

Seq. No.	6440	Seq. ID	OJ990311_17.9819.C7
Gene No.	13626	Strand	+
Start	1	End	316
Name	OJ990311_17.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	316
GI	5922620	Score	162
Exons	1..73, 180..316		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6440	Seq. ID	OJ990311_17.9819.C7
Gene No.	13627	Strand	+
Start	613	End	752
Name	OJ990311_17.9819.C7.o1.gs	Method	GENSCAN
Start	613	End	752
GI	none	Score	.82
Exons	613..752		

Seq. No.	6440	Seq. ID	OJ990311_17.9819.C7
Gene No.	13628	Strand	-
Start	457	End	546
Name	OJ990311_17.9819.C7.o2.np	Method	AAT/NAP
Start	457	End	546
GI	6630699	Score	79
Exons	457..546		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6441	Seq. ID	OJ990311_17.9819.C8
Gene No.	13629	Strand	+
Start	137	End	1304
Name	OJ990311_17.9819.C8.o1.gs	Method	GENSCAN
Start	137	End	1304
GI	none	Score	.84
Exons	137..216, 334..448, 994..1122, 1209..1304		

Seq. No.	6441	Seq. ID	OJ990311_17.9819.C8
Gene No.	13629	Strand	+
Start	137	End	1304
Name	OJ990311_17.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	365	End	758
GI	none	Score	91
Exons	365..454, 367..474, 399..458, 564..758, 585..704		

Seq. No.	6442	Seq. ID	OJ990311_17.9819.C10
Gene No.	13630	Strand	+

Start	281	End	657
Name	OJ990311_17.9819.C10.o1.gs	Method	GENSCAN
Start	281	End	657
GI	none	Score	.67
Exons	281..325, 529..657		

Seq. No.	6443	Seq. ID	OJ990311_17.9819.C11
Gene No.	13631	Strand	+
Start	1	End	369
Name	OJ990311_17.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	369
GI	6539585	Score	83
Exons	1..165, 297..369		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6443	Seq. ID	OJ990311_17.9819.C11
Gene No.	13632	Strand	-
Start	256	End	362
Name	OJ990311_17.9819.C11.o1.gs	Method	GENSCAN
Start	256	End	362
GI	none	Score	.85
Exons	256..362		

Seq. No.	6444	Seq. ID	OJ990311_17.9819.C14
Gene No.	13633	Strand	+
Start	1	End	385
Name	OJ990311_17.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	385
GI	6539570	Score	109
Exons	1..124, 322..385		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6445	Seq. ID	OJ990311_17.9819.C18
Gene No.	13634	Strand	-
Start	219	End	446
Name	OJ990311_17.9819.C18.o1.np	Method	AAT/NAP
Start	219	End	446
GI	4680186	Score	185
Exons	219..446		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6446	Seq. ID	OJ990311_11.9819.C1
Gene No.	13635	Strand	+
Start	530	End	1146
Name	OJ990311_11.9819.C1.o1.gp	Method	AAT/GAP
Start	530	End	1146
GI	18501_1.R1084	Score	1166
Exons	530..1146		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	6446	Seq. ID	OJ990311_11.9819.C1
Gene No.	13636	Strand	-
Start	1355	End	1855
Name	OJ990311_11.9819.C1.o2.gp	Method	AAT/GAP
Start	1355	End	1855

GI	3762604	Score	795
Exons	1355..1855		

Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13637	Strand	+
Start	4162	End	5982
Name	OJ990311_11.9819.C2.o2.gp	Method	AAT/GAP
Start	4162	End	5982
GI	403_1.R1084	Score	1829
Exons	4162..4644, 5518..5982		
GI Descrip.	'2497538/sp|Q42806|KPYC_SOYBN 1.0e-157 PYRUVATE KINASE, CYTOSOLIC ISOZYME >gi_466350 (L08632) pyruvate kinase [Glycine max]'		

Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13638	Strand	-
Start	225	End	550
Name	OJ990311_11.9819.C2.o1.gp	Method	AAT/GAP
Start	225	End	550
GI	2431369	Score	545
Exons	225..550		

Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13639	Strand	
Start	4377	End	5990
Name	OJ990311_11.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	4377	End	5990
GI	none	Score	294
Exons	4377..4643, 4402..4644, 4599..4646, 5515..5988, 5516..5989, 5517..5561, 5622..5990		

Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13639	Strand	
Start	4377	End	5990
Name	OJ990311_11.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	4377	End	5990
GI	none	Score	348
Exons	4377..4643, 4384..4644, 5515..5988, 5516..5989, 5517..5561, 5625..5990		

Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13639	Strand	
Start	4377	End	5990
Name	OJ990311_11.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	4437	End	5646
GI	none	Score	296
Exons	4437..4643, 4438..4644, 4599..4646, 5515..5586, 5517..5561, 5572..5646		

Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13639	Strand	
Start	4377	End	5990
Name	OJ990311_11.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	4443	End	5601
GI	none	Score	323
Exons	4443..4643, 4444..4644, 5515..5601, 5517..5561		

Seq. No.	6447	Seq. ID	OJ990311_11.9819.C2
Gene No.	13639	Strand	
Start	4377	End	5990
Name	OJ990311_11.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	5727	End	5979
GI	none	Score	371
Exons	5727..5975, 5728..5979		

Seq. No.	6448	Seq. ID	OJ990311_11.9819.C3
Gene No.	13640	Strand	+
Start	240	End	1246
Name	OJ990311_11.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	56	End	829
GI	none	Score	63
Exons	56..94, 57..95, 240..794, 242..829, 245..814		

Seq. No.	6448	Seq. ID	OJ990311_11.9819.C3
Gene No.	13640	Strand	+
Start	240	End	1246
Name	OJ990311_11.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	56	End	797
GI	none	Score	63
Exons	56..94, 57..95, 240..797, 242..790		

Seq. No.	6448	Seq. ID	OJ990311_11.9819.C3
Gene No.	13640	Strand	+
Start	240	End	1246
Name	OJ990311_11.9819.C3.o1.gp	Method	AAT/GAP
Start	240	End	1246
GI	610_1.R1084	Score	1964
Exons	240..1246		
GI Descrip.	'322787/pir||JC1481 1.0e-112 pyruvate kinase (EC 2.7.1.40), cytosolic - potato'		

Seq. No.	6448	Seq. ID	OJ990311_11.9819.C3
Gene No.	13640	Strand	+
Start	240	End	1246
Name	OJ990311_11.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	243	End	665
GI	none	Score	309
Exons	243..665, 257..631		

Seq. No.	6448	Seq. ID	OJ990311_11.9819.C3
Gene No.	13640	Strand	+
Start	240	End	1246
Name	OJ990311_11.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	380	End	665
GI	none	Score	230
Exons	380..631, 381..665		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13641	Strand	+
Start	270	End	883
Name	OJ990311_11.9819.C4.o1.gp	Method	AAT/GAP
Start	270	End	883
GI	2427984	Score	754
Exons	270..494, 680..883		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13642	Strand	
Start	1208	End	1850
Name	OJ990311_11.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	1208	End	1850
GI	none	Score	216
Exons	1208..1348, 1255..1335, 1503..1643, 1515..1643, 1516..1644, 1739..1849, 1740..1850, 1740..1850		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13643	Strand	
Start	1865	End	3160
Name	OJ990311_11.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	1865	End	3160
GI	none	Score	59
Exons	1865..1909, 1866..1904, 2006..2170, 2007..2279, 2403..2612, 2852..2980, 3092..3160		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13643	Strand	
Start	1865	End	3160
Name	OJ990311_11.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	2133	End	2394
GI	none	Score	335
Exons	2133..2393, 2134..2394, 2135..2290, 2360..2392		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13644	Strand	
Start	3094	End	3699
Name	OJ990311_11.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	3094	End	3699
GI	none	Score	228
Exons	3094..3336, 3095..3337, 3099..3347, 3284..3337, 3449..3523, 3451..3561, 3456..3665, 3457..3663, 3458..3670, 3551..3697, 3618..3698, 3631..3699		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13645	Strand	
Start	8043	End	9149
Name	OJ990311_11.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	8043	End	9140
GI	none	Score	145
Exons	8043..8384, 8047..8244, 8196..8396, 8275..8370, 8688..8894, 8979..9140		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13645	Strand	
Start	8043	End	9149
Name	OJ990311_11.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	8049	End	9089
GI	none	Score	63
Exons	8049..8414, 8062..8370, 8766..8876, 8877..9089		

Seq. No.	6449	Seq. ID	OJ990311_11.9819.C4
Gene No.	13645	Strand	
Start	8043	End	9149

Name	OJ990311_11.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	8070	End	9149
GI	none	Score	66
Exons	8070..8384, 8124..8426, 8127..8369, 8127..8453, 8130..8354, 8412..8462, 8676..8894, 8685..8885, 8694..8888, 8754..8894, 8757..8897, 8763..8897, 8766..8891, 8898..9149, 8898..9122, 8898..9122, 8901..9104, 8903..8938, 8904..9116, 8905..9018, 8910..9095, 8913..9122, 8913..9032, 8934..9068, 8958..9122		

Seq. No.	6450	Seq. ID	OJ990311_11.9819.C8
Gene No.	13646	Strand	-
Start	865	End	1233
Name	OJ990311_11.9819.C8.o1.gp	Method	AAT/GAP
Start	865	End	1233
GI	699981	Score	706
Exons	865..1233		

Seq. No.	6451	Seq. ID	OJ990311_11.9819.C21
Gene No.	13647	Strand	-
Start	145	End	704
Name	OJ990311_11.9819.C21.o1.gp	Method	AAT/GAP
Start	145	End	704
GI	none	Score	1084
Exons	145..704		

Seq. No.	6451	Seq. ID	OJ990311_11.9819.C21
Gene No.	13648	Strand	-
Start	802	End	1153
Name	OJ990311_11.9819.C21.o2.gp	Method	AAT/GAP
Start	802	End	1153
GI	LIB3433-031-P1-K1-C10	Score	493
Exons	802..1153		
GI Descrip.	'121343/sp|P14655|GLN2_ORYSA 1.0e-23 GLUTAMINE SYNTHETASE SHOOT ISOZYME, CHLOROPLAST PRECURSOR (GLUTAMATE--AMMONIA LIGASE) (CLONE LAMBDA-GS31) >gi_68598_pir__AJRZQD glutamate--ammonia ligase (EC 6.3.1.2) delta precursor, chloroplast - rice >gi_20370_emb_CAA32462_ (X14246) precursor chloroplastic glutamine synthetase (AA -46 to 382) [Oryza sativa]'		

Seq. No.	6452	Seq. ID	OJ990311_11.9819.C23
Gene No.	13649	Strand	
Start	262	End	541
Name	OJ990311_11.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	262	End	541
GI	none	Score	251
Exons	262..516, 263..496, 266..541, 267..515		

Seq. No.	6453	Seq. ID	OJ990311_11.9819.C24
Gene No.	13650	Strand	-
Start	384	End	658
Name	OJ990311_11.9819.C24.o1.gp	Method	AAT/GAP
Start	384	End	658
GI	215_1.R1084	Score	493
Exons	384..658		
GI Descrip.	'4158219/emb|CAA77234| 0.0e+00 (Y18623) amylogenin [Oryza sativa]'		

Seq. No.	6454	Seq. ID	OJ990311_11.9819.C25
Gene No.	13651	Strand	+
Start	348	End	630
Name	OJ990311_11.9819.C25.o1.gp	Method	AAT/GAP
Start	348	End	630
GI	5038915	Score	436
Exons	348..630		

Seq. No.	6455	Seq. ID	OJ990311_11.9819.C26
Gene No.	13652	Strand	-
Start	494	End	832
Name	OJ990311_11.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	475	End	814
GI	none	Score	40
Exons	475..498, 476..499, 529..792, 596..814		

Seq. No.	6455	Seq. ID	OJ990311_11.9819.C26
Gene No.	13652	Strand	-
Start	494	End	832
Name	OJ990311_11.9819.C26.o1.gp	Method	AAT/GAP
Start	494	End	814
GI	uC-osflm202109f10b1	Score	622
Exons	494..814		
GI Descrip.	'3335378 7.0e-26 (AC003028) Myb-related transcription activator [Arabidopsis thaliana]'		

Seq. No.	6455	Seq. ID	OJ990311_11.9819.C26
Gene No.	13652	Strand	-
Start	494	End	832
Name	OJ990311_11.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	494	End	814
GI	none	Score	40
Exons	494..520, 494..520, 520..810, 520..792, 521..814, 596..814		

Seq. No.	6455	Seq. ID	OJ990311_11.9819.C26
Gene No.	13652	Strand	-
Start	494	End	832
Name	OJ990311_11.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	568	End	814
GI	none	Score	88
Exons	568..789, 623..814, 689..814		

Seq. No.	6455	Seq. ID	OJ990311_11.9819.C26
Gene No.	13652	Strand	-
Start	494	End	832
Name	OJ990311_11.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	624	End	832
GI	none	Score	62
Exons	624..830, 628..792, 629..832		

Seq. No.	6456	Seq. ID	OJ990311_11.9819.C27
Gene No.	13653	Strand	-
Start	186	End	397
Name	OJ990311_11.9819.C27.o1.gp	Method	AAT/GAP
Start	186	End	397
GI	none	Score	405
Exons	186..397		

Seq. No.	6457	Seq. ID	OJ990311_11.9819.C28
Gene No.	13654	Strand	-
Start	2516	End	3033
Name	OJ990311_11.9819.C28.o1.gp	Method	AAT/GAP
Start	2516	End	3033
GI	none	Score	983
Exons	2516..3033		

Seq. No.	6457	Seq. ID	OJ990311_11.9819.C28
Gene No.	13654	Strand	-
Start	2516	End	3033
Name	OJ990311_11.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	2716	End	2996
GI	none	Score	172
Exons	2716..2901, 2717..2923, 2730..2918, 2951..2989, 2952..2996		

Seq. No.	6458	Seq. ID	OJ990311_11.9819.C29
Gene No.	13655	Strand	+
Start	2115	End	2579
Name	OJ990311_11.9819.C29.o1.gp	Method	AAT/GAP
Start	2115	End	2579
GI	none	Score	822
Exons	2115..2579		

Seq. No.	6458	Seq. ID	OJ990311_11.9819.C29
Gene No.	13656	Strand	
Start	7321	End	7608
Name	OJ990311_11.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	7321	End	7608
GI	none	Score	277
Exons	7321..7608, 7362..7592, 7405..7608		

Seq. No.	6459	Seq. ID	OJ990311_11.9819.C31
Gene No.	13657	Strand	+
Start	2306	End	3012
Name	OJ990311_11.9819.C31.o1.gp	Method	AAT/GAP
Start	2306	End	3012
GI	59478_1.R1084	Score	778
Exons	2306..2598, 2744..2809, 2909..3012		
GI Descrip.	'3088573 2.0e-16 (AF059530) protein arginine N-methyltransferase 3 [Rattus norvegicus]'		

Seq. No.	6460	Seq. ID	OJ990311_11.9819.C32
Gene No.	13658	Strand	
Start	99	End	582
Name	OJ990311_11.9819.C32.o3.tm	Method	TBLASTX:Maize
Start	99	End	582
GI	none	Score	83
Exons	99..167, 100..168, 131..169, 276..362, 276..356, 278..358, 514..582		

Seq. No.	6460	Seq. ID	OJ990311_11.9819.C32
Gene No.	13659	Strand	
Start	588	End	1027
Name	OJ990311_11.9819.C32.o2.tm	Method	TBLASTX:Maize
Start	588	End	1027

GI	none	Score	59
Exons	588..632, 589..633, 746..859, 761..841, 762..863, 762..857, 935..1024, 937..1023, 938..1027		

Seq. No.	6460	Seq. ID	OJ990311_11.9819.C32
Gene No.	13660	Strand	
Start	1271	End	1676
Name	OJ990311_11.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	1271	End	1676
GI	none	Score	95
Exons	1271..1342, 1273..1323, 1324..1461, 1352..1465, 1553..1642, 1562..1669, 1563..1676		

Seq. No.	6461	Seq. ID	OJ990311_11.9819.C33
Gene No.	13661	Strand	
Start	1064	End	2074
Name	OJ990311_11.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	1064	End	2074
GI	none	Score	111
Exons	1064..1144, 1721..1846, 1722..1844, 1853..2074, 1854..2000		

Seq. No.	6461	Seq. ID	OJ990311_11.9819.C33
Gene No.	13661	Strand	
Start	1064	End	2074
Name	OJ990311_11.9819.C33.o1.tc	Method	TBLASTX:Cress
Start	1710	End	1985
GI	none	Score	108
Exons	1710..1844, 1718..1846, 1857..1985, 1859..1984		

Seq. No.	6461	Seq. ID	OJ990311_11.9819.C33
Gene No.	13661	Strand	
Start	1064	End	2074
Name	OJ990311_11.9819.C33.o1.ts	Method	TBLASTX:Soybean
Start	1793	End	2053
GI	4297956	Score	114
Exons	1793..1846, 1857..2000, 1859..2053		
GI Descrip.	-		

Seq. No.	6462	Seq. ID	OJ990311_11.9819.C41
Gene No.	13662	Strand	-
Start	1345	End	1697
Name	OJ990311_11.9819.C41.o1.gp	Method	AAT/GAP
Start	1345	End	1697
GI	3762250	Score	662
Exons	1345..1697		

Seq. No.	6463	Seq. ID	OJ990311_11.9819.C42
Gene No.	13663	Strand	
Start	120	End	3410
Name	OJ990311_11.9819.C42.o1.tc	Method	TBLASTX:Cress
Start	120	End	3374
GI	none	Score	84
Exons	120..296, 3204..3374, 3205..3372		

Seq. No.	6463	Seq. ID	OJ990311_11.9819.C42
Gene No.	13663	Strand	
Start	120	End	3410

Name	OJ990311_11.9819.C42.o1.ts	Method	TBLASTX:Soybean
Start	120	End	3410
GI	none	Score	120
Exons	120..206, 3190..3372, 3204..3410		

Seq. No.	6464	Seq. ID	OJ990311_11.9819.C43
Gene No.	13664	Strand	+
Start	578	End	1018
Name	OJ990311_11.9819.C43.o1.gp	Method	AAT/GAP
Start	578	End	1018
GI	7406_1.R1084	Score	625
Exons	578..909, 944..1018		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	6464	Seq. ID	OJ990311_11.9819.C43
Gene No.	13665	Strand	-
Start	961	End	1414
Name	OJ990311_11.9819.C43.o2.gp	Method	AAT/GAP
Start	961	End	1414
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	961..1414		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	6464	Seq. ID	OJ990311_11.9819.C43
Gene No.	13666	Strand	-
Start	2476	End	2975
Name	OJ990311_11.9819.C43.o3.gp	Method	AAT/GAP
Start	2476	End	2975
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	2476..2726, 2803..2975		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	6464	Seq. ID	OJ990311_11.9819.C43
Gene No.	13667	Strand	-
Start	5798	End	6272
Name	OJ990311_11.9819.C43.o1:tw	Method	TBLASTX:Wheat
Start	5598	End	5978
GI	none	Score	79
Exons	5598..5774, 5628..5774, 5659..5778, 5772..5972, 5784..5978		

Seq. No.	6464	Seq. ID	OJ990311_11.9819.C43
Gene No.	13667	Strand	-
Start	5798	End	6272
Name	OJ990311_11.9819.C43.o1.tm	Method	TBLASTX:Maize
Start	5676	End	6272
GI	none	Score	145
Exons	5676..5747, 5811..6110, 5872..6093, 6144..6272, 6166..6264		

Seq. No.	6464	Seq. ID	OJ990311_11.9819.C43
Gene No.	13667	Strand	-
Start	5798	End	6272
Name	OJ990311_11.9819.C43.o4.gp	Method	AAT/GAP
Start	5798	End	6229

GI	5701669	Score	837
Exons	5798..6229		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6465	Seq. ID	OJ990311_11.9819.C44
Gene No.	13668	Strand	
Start	1010	End	1223
Name	OJ990311_11.9819.C44.o1.tm	Method	TBLASTX:Maize
Start	1010	End	1223
GI	none	Score	195
Exons	1010..1204, 1011..1205, 1011..1223		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o1.tc	Method	TBLASTX:Cress
Start	1038	End	2934
GI	none	Score	108
Exons	1038..1145, 1040..1144, 1239..1481, 1470..1565, 1569..1709, 1817..1945, 2812..2934		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o1.ts	Method	TBLASTX:Soybean
Start	1038	End	1945
GI	none	Score	108
Exons	1038..1145, 1040..1144, 1239..1481, 1254..1469, 1470..1565, 1484..1558, 1569..1709, 1817..1945		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o1.tw	Method	TBLASTX:Wheat
Start	1038	End	1709
GI	none	Score	108
Exons	1038..1145, 1040..1144, 1239..1481, 1470..1565, 1569..1709		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o1.tm	Method	TBLASTX:Maize
Start	1113	End	1855
GI	none	Score	35
Exons	1113..1148, 1232..1480, 1233..1481, 1460..1729, 1464..1727, 1482..1733, 1553..1729, 1817..1855		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o2.tm	Method	TBLASTX:Maize
Start	1861	End	2493
GI	none	Score	134
Exons	1861..1989, 1862..1987, 2227..2493, 2241..2471		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o2.ts	Method	TBLASTX:Soybean
Start	2232	End	2472
GI	none	Score	246
Exons	2232..2468, 2233..2472		

Seq. No.	6466	Seq. ID	OJ990311_11.9819.C45
Gene No.	13669	Strand	
Start	1038	End	2934
Name	OJ990311_11.9819.C45.o3.tm	Method	TBLASTX:Maize
Start	2572	End	2873
GI	none	Score	89
Exons	2572..2721, 2575..2775, 2576..2731, 2797..2871, 2799..2873		

Seq. No.	6467	Seq. ID	OJ990311_11.9819.C47
Gene No.	13670	Strand	
Start	220	End	383
Name	OJ990311_11.9819.C47.o1.tm	Method	TBLASTX:Maize
Start	220	End	383
GI	none	Score	266
Exons	220..378, 222..377, 336..383		

Seq. No.	6467	Seq. ID	OJ990311_11.9819.C47
Gene No.	13670	Strand	
Start	220	End	383
Name	OJ990311_11.9819.C47.o1.ts	Method	TBLASTX:Soybean
Start	220	End	378
GI	none	Score	245
Exons	220..378, 222..377		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
Gene No.	13671	Strand	
Start	133	End	630
Name	OJ990311_11.9819.C50.o2.tm	Method	TBLASTX:Maize
Start	133	End	531
GI	none	Score	57
Exons	133..270, 209..271, 280..531, 281..454		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
Gene No.	13671	Strand	
Start	133	End	630
Name	OJ990311_11.9819.C50.o2.ts	Method	TBLASTX:Soybean
Start	178	End	627
GI	none	Score	56
Exons	178..258, 200..268, 325..627		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
Gene No.	13671	Strand	
Start	133	End	630
Name	OJ990311_11.9819.C50.o2.tw	Method	TBLASTX:Wheat
Start	208	End	630
GI	none	Score	39
Exons	208..258, 209..286, 358..630, 362..568		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50

Gene No.	13672	Strand	
Start	1376	End	3118
Name	OJ990311_11.9819.C50.o1.ts	Method	TBLASTX:Soybean
Start	1376	End	3118
GI	none	Score	138
Exons	1376..1678, 1510..1848, 1843..2025, 1851..2018, 2031..2675, 2155..2394, 2527..2676, 2629..2676, 3065..3118		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
Gene No.	13672	Strand	
Start	1376	End	3118
Name	OJ990311_11.9819.C50.o1.tc	Method	TBLASTX:Cress
Start	1381	End	2672
GI	none	Score	60
Exons	1381..1434, 1391..1486, 1516..1668, 1687..1830, 1896..1988, 2046..2258, 2292..2474, 2514..2672		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
Gene No.	13672	Strand	
Start	1376	End	3118
Name	OJ990311_11.9819.C50.o1.tm	Method	TBLASTX:Maize
Start	1507	End	2675
GI	none	Score	80
Exons	1507..1659, 1510..1713, 1511..1714, 1759..1833, 1760..1834, 1842..1967, 1843..2007, 1848..2015, 2040..2675, 2121..2186, 2155..2394, 2464..2673		

Seq. No.	6468	Seq. ID	OJ990311_11.9819.C50
Gene No.	13672	Strand	
Start	1376	End	3118
Name	OJ990311_11.9819.C50.o1.tw	Method	TBLASTX:Wheat
Start	2031	End	2301
GI	none	Score	53
Exons	2031..2300, 2037..2186, 2155..2301		

Seq. No.	6469	Seq. ID	OJ990311_11.9819.C51
Gene No.	13673	Strand	
Start	1096	End	3070
Name	OJ990311_11.9819.C51.o1.ts	Method	TBLASTX:Soybean
Start	1096	End	3070
GI	none	Score	135
Exons	1096..1710, 1097..1384, 1448..1750, 1810..2394, 1868..2383, 3017..3070		

Seq. No.	6469	Seq. ID	OJ990311_11.9819.C51
Gene No.	13673	Strand	
Start	1096	End	3070
Name	OJ990311_11.9819.C51.o1.tm	Method	TBLASTX:Maize
Start	1174	End	3070
GI	none	Score	107
Exons	1174..1410, 1178..1411, 1442..1705, 1459..1713, 1816..2382, 1828..1968, 1868..2380, 3017..3070		

Seq. No.	6469	Seq. ID	OJ990311_11.9819.C51
Gene No.	13673	Strand	
Start	1096	End	3070
Name	OJ990311_11.9819.C51.o1.tc	Method	TBLASTX:Cress

Start	1204	End	2283
GI	none	Score	254
Exons	1204..1374, 1459..1572, 1558..1704, 1825..2283		

Seq. No.	6469	Seq. ID	OJ990311_11.9819.C51
Gene No.	13673	Strand	
Start	1096	End	3070
Name	OJ990311_11.9819.C51.o1.tw	Method	TBLASTX:Wheat
Start	1810	End	2008
GI	none	Score	82
Exons	1810..2007, 1819..1974, 1868..2008		

Seq. No.	6470	Seq. ID	OJ990311_11.9819.C52
Gene No.	13674	Strand	-
Start	311	End	3644
Name	OJ990311_11.9819.C52.o1.gp	Method	AAT/GAP
Start	311	End	3644
GI	13076_1.R1084	Score	1819
Exons	311..574, 939..1096, 1436..1484, 2022..2089, 2476..2556, 2647..2691, 2791..2855, 3015..3085, 3447..3644		
GI Descrip.	'4758922/ref|NP_004269.1|pPIGL| 2.0e-28 phosphatidylinositol glycan, class L >gi_4239986_dbj_BAA74775.1_ (AB017165) PIG-L [Homo sapiens]'		

Seq. No.	6470	Seq. ID	OJ990311_11.9819.C52
Gene No.	13675	Strand	-
Start	4191	End	5712
Name	OJ990311_11.9819.C52.o2.tm	Method	TBLASTX:Maize
Start	2800	End	3640
GI	none	Score	63
Exons	2800..2856, 2801..2857, 3012..3086, 3013..3084, 3014..3088, 3014..3091, 3443..3640, 3447..3635		

Seq. No.	6470	Seq. ID	OJ990311_11.9819.C52
Gene No.	13675	Strand	-
Start	4191	End	5712
Name	OJ990311_11.9819.C52.o2.gp	Method	AAT/GAP
Start	4191	End	5712
GI	1444_1.R1084	Score	2657
Exons	4191..5446, 5568..5712		
GI Descrip.	'629829/pir||S39394 1.0e-146 protochlorophyllide reductase (EC 1.3.1.33) - wheat >gi_510677_emb_CAA54042_ (X76532) protochlorophyilide reductase [Triticum aestivum]'		

Seq. No.	6470	Seq. ID	OJ990311_11.9819.C52
Gene No.	13675	Strand	-
Start	4191	End	5712
Name	OJ990311_11.9819.C52.o1.ts	Method	TBLASTX:Soybean
Start	4337	End	5318
GI	none	Score	201
Exons	4337..4738, 4338..4544, 4602..4739, 4742..4771, 4820..5308, 4821..5210, 5271..5318		

Seq. No.	6470	Seq. ID	OJ990311_11.9819.C52
Gene No.	13675	Strand	-
Start	4191	End	5712
Name	OJ990311_11.9819.C52.o1.tm	Method	TBLASTX:Maize

Start	4338	End	5444
GI	none	Score	301
Exons	4338..4484, 4340..5398, 4341..4547, 4586..4765, 4605..4772, 4821..5210, 5271..5309, 5394..5444		

Seq. No.	6470	Seq. ID	OJ990311_11.9819.C52
Gene No.	13675	Strand	-
Start	4191	End	5712
Name	OJ990311_11.9819.C52.o1.tc	Method	TBLASTX:Cress
Start	4340	End	5308
GI	none	Score	207
Exons	4340..4738, 4347..4544, 4586..4732, 4602..4739, 4742..5308, 4824..5210		

Seq. No.	6471	Seq. ID	OJ990311_11.9819.C53
Gene No.	13676	Strand	+
Start	2769	End	3197
Name	OJ990311_11.9819.C53.o2.ts	Method	TBLASTX:Soybean
Start	2609	End	2768
GI	none	Score	189
Exons	2609..2653, 2610..2768, 2635..2730, 2681..2731		

Seq. No.	6471	Seq. ID	OJ990311_11.9819.C53
Gene No.	13676	Strand	+
Start	2769	End	3197
Name	OJ990311_11.9819.C53.o1.tc	Method	TBLASTX:Cress
Start	2613	End	2768
GI	none	Score	185
Exons	2613..2768, 2618..2653, 2681..2746		

Seq. No.	6471	Seq. ID	OJ990311_11.9819.C53
Gene No.	13676	Strand	+
Start	2769	End	3197
Name	OJ990311_11.9819.C53.o2.tm	Method	TBLASTX:Maize
Start	2613	End	2768
GI	none	Score	184
Exons	2613..2768, 2618..2746		

Seq. No.	6471	Seq. ID	OJ990311_11.9819.C53
Gene No.	13676	Strand	+
Start	2769	End	3197
Name	OJ990311_11.9819.C53.o1.gp	Method	AAT/GAP
Start	2769	End	3197
GI	none	Score	812
Exons	2769..3197		

Seq. No.	6471	Seq. ID	OJ990311_11.9819.C53
Gene No.	13677	Strand	
Start	3802	End	5142
Name	OJ990311_11.9819.C53.o1.tm	Method	TBLASTX:Maize
Start	3802	End	5142
GI	none	Score	224
Exons	3802..4041, 3803..4042, 3804..4043, 3804..4043, 3808..4047, 4074..4139, 4075..4170, 4141..4410, 4197..4409, 4839..4937, 4842..4937, 5047..5142, 5048..5077, 5091..5123		

Seq. No.	6471	Seq. ID	OJ990311_11.9819.C53

Gene No.	13677	Strand	
Start	3802	End	5142
Name	OJ990311_11.9819.C53.o1.ts	Method	TBLASTX:Soybean
Start	4281	End	5133
GI	none	Score	105
Exons	4281..4409, 4291..4410, 4839..4961, 4879..4962, 5047..5133		

Seq. No.	6472	Seq. ID	OJ990311_11.9819.C54
Gene No.	13678	Strand	
Start	1334	End	1501
Name	OJ990311_11.9819.C54.o1.tm	Method	TBLASTX:Maize
Start	1334	End	1501
GI	none	Score	176
Exons	1334..1498, 1334..1501		

Seq. No.	6473	Seq. ID	OJ990311_11.9819.C57
Gene No.	13679	Strand	-
Start	34	End	166
Name	OJ990311_11.9819.C57.o1.gp	Method	AAT/GAP
Start	34	End	166
GI	none	Score	235
Exons	34..166		

Seq. No.	6474	Seq. ID	OJ990311_11.9819.C58
Gene No.	13680	Strand	+
Start	122	End	426
Name	OJ990311_11.9819.C58.o1.gp	Method	AAT/GAP
Start	122	End	426
GI	287269	Score	577
Exons	122..426		
GI Descrip.	121343/sp|P14655|GLN2_ORYSA 1.0e-23 GLUTAMINE SYNTHETASE SHOOT ISOZYME, CHLOROPLAST PRECURSOR (GLUTAMATE--AMMONIA LIGASE) (CLONE LAMBDA-GS31) >gi_68598_pir__AJRZQD glutamate--ammonia ligase (EC 6.3.1.2) delta precursor, chloroplast - rice >gi_20370_emb_CAA32462_ (X14246) precursor chloroplastic glutamine synthetase (AA -46 to 382) [Oryza sativa]		

Seq. No.	6475	Seq. ID	OJ990311_11.9819.C59
Gene No.	13681	Strand	
Start	264	End	712
Name	OJ990311_11.9819.C59.o1.tm	Method	TBLASTX:Maize
Start	264	End	712
GI	none	Score	77
Exons	264..353, 269..343, 273..350, 275..358, 461..556, 462..554, 463..555, 624..707, 624..707, 625..711, 626..712		

Seq. No.	6476	Seq. ID	OJ990311_11.9819.C60
Gene No.	13682	Strand	
Start	184	End	725
Name	OJ990311_11.9819.C60.o1.tm	Method	TBLASTX:Maize
Start	184	End	725
GI	none	Score	222
Exons	184..309, 185..313, 186..308, 412..486, 414..488, 415..486, 551..658, 573..659, 575..649, 577..651, 696..725		

Seq. No.	6477	Seq. ID	OJ990311_11.9819.C63
Gene No.	13683	Strand	+

Start	1	End	289
Name	OJ990311_11.9819.C63.o1.gp	Method	AAT/GAP
Start	1	End	289
GI	LIB3431-045-P1-N1-A10	Score	494
Exons	1..289		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	6477	Seq. ID	OJ990311_11.9819.C63
Gene No.	13684	Strand	-
Start	232	End	638
Name	OJ990311_11.9819.C63.o2.gp	Method	AAT/GAP
Start	232	End	638
GI	7406_1.R1084	Score	669
Exons	232..638		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	6478	Seq. ID	OJ990311_11.9819.C67
Gene No.	13685	Strand	+
Start	274	End	368
Name	OJ990311_11.9819.C67.o1.gp	Method	AAT/GAP
Start	274	End	368
GI	33511_1.R1084	Score	145
Exons	274..368		
GI Descrip.	'3549652/emb|CAA12272| 2.0e-36 (AJ224982) MAP3K epsilon protein kinase [Arabidopsis thaliana]'		

Seq. No.	6479	Seq. ID	OJ990311_11.9819.C74
Gene No.	13686	Strand	+
Start	55	End	106
Name	OJ990311_11.9819.C74.o1.gp	Method	AAT/GAP
Start	55	End	106
GI	LIB3432-030-P1-K1-F9	Score	79
Exons	55..106		
GI Descrip.	'3941543 2.0e-15 (AF069497) pelota [Arabidopsis thaliana] >gi_4469016_emb_CAB38277_ (AL035602) pelota (PEL1) [Arabidopsis thaliana]'		

Seq. No.	6480	Seq. ID	OJ990311_11.9819.C77
Gene No.	13687	Strand	+
Start	581	End	674
Name	OJ990311_11.9819.C77.o1.gp	Method	AAT/GAP
Start	581	End	674
GI	19694_1.R1084	Score	148
Exons	581..674		
GI Descrip.	'3281853/emb|CAA19748| 2.0e-98 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	6481	Seq. ID	OJ990311_11.9819.C80
Gene No.	13688	Strand	+
Start	396	End	1032
Name	OJ990311_11.9819.C80.o1.gp	Method	AAT/GAP
Start	396	End	1032
GI	570065	Score	411
Exons	396..503, 903..1032		
GI Descrip.	2443881 1.0e-16 (AC002294) contains beta-transducin motif		

[Arabidopsis thaliana]

Seq. No.	6481	Seq. ID	OJ990311_11.9819.C80
Gene No.	13689	Strand	+
Start	2061	End	4488
Name	OJ990311_11.9819.C80.o3.tm	Method	TBLASTX:Maize
Start	1358	End	2909
GI	none	Score	65
Exons	1358..1480, 1376..1471, 1641..1865, 1659..1868, 1659..1751, 1679..1867, 2032..2172, 2066..2176, 2067..2171, 2068..2175, 2835..2909, 2837..2908		

Seq. No.	6481	Seq. ID	OJ990311_11.9819.C80
Gene No.	13689	Strand	+
Start	2061	End	4488
Name	OJ990311_11.9819.C80.o2.gp	Method	AAT/GAP
Start	2061	End	4179
GI	4714835	Score	900
Exons	2061..2169, 2839..2909, 3671..3745, 3833..3976, 4083..4179		
GI Descrip.	2443881 1.0e-59 (AC002294) contains beta-transducin motif [Arabidopsis thaliana]		

Seq. No.	6481	Seq. ID	OJ990311_11.9819.C80
Gene No.	13689	Strand	+
Start	2061	End	4488
Name	OJ990311_11.9819.C80.o1.tm	Method	TBLASTX:Maize
Start	3667	End	4488
GI	none	Score	104
Exons	3667..3759, 3669..3749, 3671..3754, 3824..3976, 3831..3986, 3831..3971, 3832..3975, 4065..4247, 4071..4325, 4071..4307, 4082..4324, 4411..4488, 4413..4478, 4414..4479		

Seq. No.	6481	Seq. ID	OJ990311_11.9819.C80
Gene No.	13689	Strand	+
Start	2061	End	4488
Name	OJ990311_11.9819.C80.o1.tc	Method	TBLASTX:Cress
Start	3689	End	4322
GI	none	Score	87
Exons	3689..3754, 3691..3759, 3824..3976, 3825..3986, 3834..3971, 3835..3972, 4071..4283, 4075..4188, 4224..4322, 4226..4303, 4245..4304, 4250..4306		

Seq. No.	6481	Seq. ID	OJ990311_11.9819.C80
Gene No.	13690	Strand	
Start	4492	End	5193
Name	OJ990311_11.9819.C80.o2.tm	Method	TBLASTX:Maize
Start	4492	End	5193
GI	none	Score	199
Exons	4492..4731, 4492..4731, 4573..4785, 4639..4716, 4652..4717, 4660..4761, 4681..4773, 4716..4763, 4723..4770, 4748..4792, 4765..4902, 4766..4792, 4778..4906, 4779..4901, 4780..4896, 4781..4915, 4782..4913, 4783..4962, 4816..4899, 4816..4911, 4834..4902, 4882..5037, 4893..4943, 4896..5036, 4904..5023, 4905..5033, 4914..5033, 4915..5034, 4923..5090, 4942..5067, 4973..5038, 4986..5087, 4987..5127, 5007..5129, 5008..5148, 5026..5193, 5053..5076, 5091..5180		

Seq. No.	6482	Seq. ID	OJ990311_11.9819.C84
Gene No.	13691	Strand	+
Start	68	End	720
Name	OJ990311_11.9819.C84.o1.tm	Method	TBLASTX:Maize
Start	67	End	720
GI	none	Score	728
Exons	67..720, 68..718, 76..720		

Seq. No.	6482	Seq. ID	OJ990311_11.9819.C84
Gene No.	13691	Strand	+
Start	68	End	720
Name	OJ990311_11.9819.C84.o1.tw	Method	TBLASTX:Wheat
Start	67	End	463
GI	none	Score	61
Exons	67..198, 226..321, 310..462, 374..463		

Seq. No.	6482	Seq. ID	OJ990311_11.9819.C84
Gene No.	13691	Strand	+
Start	68	End	720
Name	OJ990311_11.9819.C84.o1.ts	Method	TBLASTX:Soybean
Start	67	End	720
GI	none	Score	69
Exons	67..198, 68..199, 137..199, 193..228, 229..294, 242..268, 292..711, 292..720, 518..718		

Seq. No.	6482	Seq. ID	OJ990311_11.9819.C84
Gene No.	13691	Strand	+
Start	68	End	720
Name	OJ990311_11.9819.C84.o1.gp	Method	AAT/GAP
Start	68	End	720
GI	215_1.R1084	Score	1271
Exons	68..720		
GI Descrip.	'4158219/emb|CAA77234| 0.0e+00 (Y18623) amylogenin [Oryza sativa]'		

Seq. No.	6482	Seq. ID	OJ990311_11.9819.C84
Gene No.	13691	Strand	+
Start	68	End	720
Name	OJ990311_11.9819.C84.o1.tc	Method	TBLASTX:Cress
Start	70	End	718
GI	none	Score	50
Exons	70..198, 226..321, 241..318, 245..322, 310..717, 361..642, 374..718		

Seq. No.	6483	Seq. ID	OJ990311_11.9819.C87
Gene No.	13692	Strand	-
Start	1	End	848
Name	OJ990311_11.9819.C87.o1.gp	Method	AAT/GAP
Start	1	End	848
GI	uC-osrocyp003c06a1	Score	707
Exons	1..233, 496..559, 676..738, 817..848		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	6484	Seq. ID	OJ990311_11.9819.C88
Gene No.	13693	Strand	-
Start	185	End	584

Name	OJ990311_11.9819.C88.o1.tm	Method	TBLASTX:Maize
Start	1	End	584
GI	none	Score	58
Exons	1..60, 164..274, 165..275, 167..277, 378..581, 379..582, 380..580, 381..584		

Seq. No.	6484	Seq. ID	OJ990311_11.9819.C88
Gene No.	13693	Strand	-
Start	185	End	584
Name	OJ990311_11.9819.C88.o1.ts	Method	TBLASTX:Soybean
Start	165	End	584
GI	none	Score	55
Exons	165..275, 185..277, 379..471, 381..500, 555..584, 556..582		

Seq. No.	6484	Seq. ID	OJ990311_11.9819.C88
Gene No.	13693	Strand	-
Start	185	End	584
Name	OJ990311_11.9819.C88.o1.gp	Method	AAT/GAP
Start	185	End	580
GI	43933_1.R1084	Score	527
Exons	185..275, 381..580		
GI Descrip.	'3128186 6.0e-17 (AC004521) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6485	Seq. ID	OJ990311_11.9819.C91
Gene No.	13694	Strand	+
Start	1	End	126
Name	OJ990311_11.9819.C91.o1.gp	Method	AAT/GAP
Start	1	End	126
GI	18501_1.R1084	Score	213
Exons	1..126		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	6485	Seq. ID	OJ990311_11.9819.C91
Gene No.	13695	Strand	
Start	88	End	1015
Name	OJ990311_11.9819.C91.o1.tm	Method	TBLASTX:Maize
Start	88	End	1015
GI	none	Score	47
Exons	88..147, 267..371, 272..361, 363..422, 367..423, 370..429, 459..584, 494..583, 501..593, 899..1015, 901..1014		

Seq. No.	6486	Seq. ID	OJ990311_11.9819.C92
Gene No.	13696	Strand	+
Start	246	End	1299
Name	OJ990311_11.9819.C92.o1.gp	Method	AAT/GAP
Start	246	End	1015
GI	LIB3475-006-P1-K1-A4	Score	819
Exons	246..357, 497..730, 892..1015		
GI Descrip.	'3293031/emb|CAA07563| 3.0e-36 (AJ007574) amino acid carrier [Ricinus communis]'		

Seq. No.	6486	Seq. ID	OJ990311_11.9819.C92
Gene No.	13696	Strand	+
Start	246	End	1299

Name	OJ990311_11.9819.C92.o1.tc	Method	TBLASTX:Cress
Start	315	End	1299
GI	none	Score	59
Exons	315..374, 493..732, 495..713, 1155..1292, 1156..1299		

Seq. No.	6486	Seq. ID	OJ990311_11.9819.C92
Gene No.	13696	Strand	+
Start	246	End	1299
Name	OJ990311_11.9819.C92.o1.ts	Method	TBLASTX:Soybean
Start	330	End	1299
GI	none	Score	54
Exons	330..374, 493..732, 495..731, 1083..1133, 1084..1164, 1140..1298, 1144..1299		

Seq. No.	6486	Seq. ID	OJ990311_11.9819.C92
Gene No.	13696	Strand	+
Start	246	End	1299
Name	OJ990311_11.9819.C92.o1.tm	Method	TBLASTX:Maize
Start	505	End	1260
GI	none	Score	269
Exons	505..732, 507..632, 1102..1164, 1150..1248, 1155..1253, 1156..1260		

Seq. No.	6487	Seq. ID	OJ990311_11.9819.C96
Gene No.	13697	Strand	-
Start	235	End	382
Name	OJ990311_11.9819.C96.o1.gp	Method	AAT/GAP
Start	235	End	382
GI	LIB3475-011-P1-K1-F12	Score	177
Exons	235..382		
GI Descrip.	'3941543 1.0e-25 (AF069497) pelota [Arabidopsis thaliana] >gi_4469016_emb_CAB38277_ (AL035602) pelota (PEL1) [Arabidopsis thaliana]'		

Seq. No.	6487	Seq. ID	OJ990311_11.9819.C96
Gene No.	13698	Strand	
Start	1893	End	2230
Name	OJ990311_11.9819.C96.o1.tm	Method	TBLASTX:Maize
Start	1893	End	2230
GI	none	Score	218
Exons	1893..2027, 1894..2028, 1946..2068, 2156..2230, 2160..2219, 2161..2220		

Seq. No.	6487	Seq. ID	OJ990311_11.9819.C96
Gene No.	13698	Strand	
Start	1893	End	2230
Name	OJ990311_11.9819.C96.o1.ts	Method	TBLASTX:Soybean
Start	1893	End	2028
GI	none	Score	169
Exons	1893..2027, 1894..2028		

Seq. No.	6488	Seq. ID	OJ990311_11.9819.C99
Gene No.	13699	Strand	+
Start	65	End	211
Name	OJ990311_11.9819.C99.o1.gp	Method	AAT/GAP
Start	65	End	211
GI	uC-osflcyp121b09b1	Score	179

Exons	65..211		
GI Descrip.	'4585871/gb|AAD25544.1|AC005850_1 1.0e-67 (AC005850) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	6489	Seq. ID	OJ990311_11.9819.C102
Gene No.	13700	Strand	+
Start	351	End	406
Name	OJ990311_11.9819.C102.o1.gp	Method	AAT/GAP
Start	351	End	406
GI	13076_1.R1084	Score	56
Exons	351..406		
GI Descrip.	'4758922/ref|NP_004269.1|pPIGL| 2.0e-28 phosphatidylinositol glycan, class L >gi_4239986_dbj_BAA74775.1_ (AB017165) PIG-L [Homo sapiens]'		

Seq. No.	6490	Seq. ID	OJ990311_11.9819.C103
Gene No.	13701	Strand	-
Start	646	End	737
Name	OJ990311_11.9819.C103.o1.gp	Method	AAT/GAP
Start	646	End	737
GI	none	Score	154
Exons	646..737		

Seq. No.	6491	Seq. ID	OJ990311_11.9819.C106
Gene No.	13702	Strand	
Start	72	End	470
Name	OJ990311_11.9819.C106.o1.tm	Method	TBLASTX:Maize
Start	72	End	470
GI	none	Score	184
Exons	72..323, 149..322, 332..394, 333..470		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13703	Strand	+
Start	1	End	201
Name	OJ990311_11.9819.C108.o1.gp	Method	AAT/GAP
Start	1	End	201
GI	21771_1.R1084	Score	394
Exons	1..201		
GI Descrip.	'4454472/gb|AAD20919| 4.0e-27 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13704	Strand	+
Start	7362	End	7501
Name	OJ990311_11.9819.C108.o2.gp	Method	AAT/GAP
Start	7362	End	7501
GI	LIB3474-009-P1-K1-F11	Score	228
Exons	7362..7501		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o3.ts	Method	TBLASTX:Soybean
Start	803	End	1012
GI	none	Score	115

Exons	803..1012, 807..929		
Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o1.tm	Method	TBLASTX:Maize
Start	893	End	2336
GI	none	Score	72
Exons	893..1015, 908..1018, 1427..1573, 1436..1573, 1497..1634, 1660..1869, 1661..1903, 1662..1727, 1667..1900, 1977..2201, 1982..2209, 2313..2336		
Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o3.tc	Method	TBLASTX:Cress
Start	938	End	1870
GI	none	Score	69
Exons	938..1012, 1442..1573, 1503..1700, 1662..1856, 1664..1870		
Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o1.ts	Method	TBLASTX:Soybean
Start	1466	End	2399
GI	none	Score	58
Exons	1466..1573, 1506..1577, 1662..1871, 1664..1900, 1715..1879, 1962..2186, 1967..2209, 1988..2188, 2313..2399		
Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o2.tw	Method	TBLASTX:Wheat
Start	1751	End	2209
GI	none	Score	84
Exons	1751..1900, 1751..1903, 1967..2209, 1988..2176, 1989..2201		
Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o1.tc	Method	TBLASTX:Cress
Start	1983	End	2700
GI	none	Score	103
Exons	1983..2207, 1984..2094, 1986..2201, 1988..2212, 1988..2227, 2310..2417, 2310..2432, 2312..2449, 2368..2433, 2611..2700		
Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o4.tm	Method	TBLASTX:Maize
Start	9045	End	9308
GI	none	Score	189
Exons	9045..9308, 9212..9304		
Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125

Name	OJ990311_11.9819.C108.o3.gp	Method	AAT/GAP
Start	13418	End	15125
GI	2265_1.R1084	Score	2693
Exons	13418..14092, 14304..14547, 14647..15125		
GI Descrip.	'542200/pir||S41890 4.0e-86 hypothetical protein - garden asparagus >gi_452714_emb_CAA54526_ (X77320) unknown [Asparagus officinalis]'		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o2.tm	Method	TBLASTX:Maize
Start	13797	End	14457
GI	none	Score	348
Exons	13797..13985, 13817..14110, 13818..14078, 14304..14456, 14305..14457		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o2.tc	Method	TBLASTX:Cress
Start	13817	End	14870
GI	none	Score	300
Exons	13817..14089, 13818..14087, 13853..14092, 14365..14451, 14370..14459, 14430..14549, 14467..14550, 14685..14786, 14796..14870		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o2.ts	Method	TBLASTX:Soybean
Start	13817	End	14486
GI	none	Score	316
Exons	13817..14116, 13818..14087, 13829..14092, 14304..14486, 14308..14451		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o1.tw	Method	TBLASTX:Wheat
Start	14400	End	14862
GI	none	Score	189
Exons	14400..14573, 14401..14562, 14655..14861, 14656..14862, 14776..14862		

Seq. No.	6492	Seq. ID	OJ990311_11.9819.C108
Gene No.	13705	Strand	-
Start	13418	End	15125
Name	OJ990311_11.9819.C108.o3.tm	Method	TBLASTX:Maize
Start	14463	End	14861
GI	none	Score	86
Exons	14463..14552, 14463..14567, 14685..14798, 14686..14772, 14778..14861, 14812..14859		

Seq. No.	6493	Seq. ID	OJ990311_13.9819.C2
Gene No.	13706	Strand	+
Start	1	End	4326

Name	OJ990311_13.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	4326
GI	4378066	Score	638
Exons	1..20, 1329..2110, 4286..4326		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	6493	Seq. ID	OJ990311_13.9819.C2
Gene No.	13706	Strand	+
Start	1	End	4326
Name	OJ990311_13.9819.C2.o2.np	Method	AAT/NAP
Start	554	End	2734
GI	1109849	Score	67
Exons	554..596, 2451..2734		
GI Descrip.	(U41538) proline rich [Caenorhabditis elegans]		

Seq. No.	6493	Seq. ID	OJ990311_13.9819.C2
Gene No.	13706	Strand	+
Start	1	End	4326
Name	OJ990311_13.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	1670	End	2076
GI	none	Score	203
Exons	1670..1897, 1723..1932, 1943..2071, 1948..2076		

Seq. No.	6494	Seq. ID	OJ990311_13.9819.C3
Gene No.	13707	Strand	+
Start	1	End	7911
Name	OJ990311_13.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	7911
GI	5732634	Score	158
Exons	1..219, 366..590, 7681..7911		
GI Descrip.	(AF121009) hypothetical protein Jv0534 [Mycobacterium tuberculosis H37Rv]		

Seq. No.	6494	Seq. ID	OJ990311_13.9819.C3
Gene No.	13708	Strand	-
Start	203	End	3157
Name	OJ990311_13.9819.C3.o1.gs	Method	GENSCAN
Start	203	End	3157
GI	none	Score	.79
Exons	203..466, 495..856, 1088..1224, 1652..1703, 2117..2147, 2524..2687, 3010..3157		

Seq. No.	6494	Seq. ID	OJ990311_13.9819.C3
Gene No.	13709	Strand	-
Start	6846	End	7958
Name	OJ990311_13.9819.C3.o2.gs	Method	GENSCAN
Start	6846	End	7958
GI	none	Score	.69
Exons	6846..6960, 7813..7958		

Seq. No.	6495	Seq. ID	OJ990311_13.9819.C4
Gene No.	13710	Strand	+
Start	137	End	588
Name	OJ990311_13.9819.C4.o1.gs	Method	GENSCAN
Start	137	End	588

GI	none	Score	.49
Exons	137..351, 532..588		

Seq. No.	6495	Seq. ID	OJ990311_13.9819.C4
Gene No.	13711	Strand	+
Start	1428	End	1809
Name	OJ990311_13.9819.C4.o2.gp	Method	AAT/GAP
Start	1428	End	1809
GI	uC-osf1cyp033a04b1	Score	679
Exons	1428..1809		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6495	Seq. ID	OJ990311_13.9819.C4
Gene No.	13712	Strand	-
Start	1	End	4697
Name	OJ990311_13.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	4697
GI	5852180	Score	475
Exons	1..63, 103..506, 558..675, 1658..1727, 4540..4697		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6495	Seq. ID	OJ990311_13.9819.C4
Gene No.	13712	Strand	-
Start	1	End	4697
Name	OJ990311_13.9819.C4.o2.gs	Method	GENSCAN
Start	2998	End	4404
GI	none	Score	.95
Exons	2998..4404		

Seq. No.	6495	Seq. ID	OJ990311_13.9819.C4
Gene No.	13712	Strand	-
Start	1	End	4697
Name	OJ990311_13.9819.C4.o2.np	Method	AAT/NAP
Start	3187	End	3576
GI	2665788	Score	88
Exons	3187..3363, 3450..3576		
GI Descrip.	(AF035676) cellular nucleic acid binding protein [Gallus gallus]		

Seq. No.	6496	Seq. ID	OJ990311_13.9819.C6
Gene No.	13713	Strand	+
Start	498	End	697
Name	OJ990311_13.9819.C6.o1.gs	Method	GENSCAN
Start	498	End	689
GI	none	Score	.63
Exons	498..689		

Seq. No.	6496	Seq. ID	OJ990311_13.9819.C6
Gene No.	13713	Strand	+
Start	498	End	697
Name	OJ990311_13.9819.C6.o1.np	Method	AAT/NAP
Start	498	End	697
GI	4680186	Score	245
Exons	498..697		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6497	Seq. ID	OJ990311_13.9819.C8

Gene No.	13714	Strand	-
Start	494	End	775
Name	OJ990311_13.9819.C8.o1.np	Method	AAT/NAP
Start	494	End	775
GI	728831	Score	203
Exons	494..775		
GI Descrip.	**** ALU SUBFAMILY J WARNING ENTRY ****		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13715	Strand	+
Start	6182	End	9487
Name	OJ990311_13.9819.C11.o1.np	Method	AAT/NAP
Start	6182	End	9484
GI	5803259	Score	4380
Exons	6182..7440, 7540..7772, 7818..9484		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13715	Strand	+
Start	6182	End	9487
Name	OJ990311_13.9819.C11.o2.gs	Method	GENSCAN
Start	6182	End	9487
GI	none	Score	.86
Exons	6182..7440, 7540..8388, 8419..9487		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13716	Strand	+
Start	16335	End	17853
Name	OJ990311_13.9819.C11.o3.np	Method	AAT/NAP
Start	16335	End	17853
GI	5922623	Score	288
Exons	16335..16442, 16824..16944, 17111..17186, 17769..17853		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13717	Strand	+
Start	17755	End	19645
Name	OJ990311_13.9819.C11.o4.np	Method	AAT/NAP
Start	17755	End	19645
GI	100484	Score	1201
Exons	17755..19645		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13718	Strand	+
Start	26029	End	30384
Name	OJ990311_13.9819.C11.o6.np	Method	AAT/NAP
Start	26029	End	30381
GI	6815052	Score	1806
Exons	26029..26182, 26264..26334, 26617..26738, 27035..27134, 27995..28087, 28904..29042, 29091..29825, 29907..29980, 30262..30381		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11

Gene No.	13718	Strand	+
Start	26029	End	30384
Name	OJ990311_13.9819.C11.o6.gs	Method	GENSCAN
Start	28205	End	30384
GI	none	Score	.46
Exons	28205..29921, 30263..30384		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13719	Strand	+
Start	32442	End	33167
Name	OJ990311_13.9819.C11.o7.gs	Method	GENSCAN
Start	32442	End	33167
GI	none	Score	.52
Exons	32442..33167		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13720	Strand	+
Start	40632	End	42765
Name	OJ990311_13.9819.C11.o9.gs	Method	GENSCAN
Start	40632	End	42765
GI	none	Score	.79
Exons	40632..41561, 42367..42765		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13721	Strand	+
Start	43835	End	66266
Name	OJ990311_13.9819.C11.o10.np	Method	AAT/NAP
Start	43820	End	66266
GI	4680204	Score	815
Exons	43820..45212, 45325..45706, 54759..54868, 60665..60979, 66229..66266		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13721	Strand	+
Start	43835	End	66266
Name	OJ990311_13.9819.C11.o10.gs	Method	GENSCAN
Start	43835	End	49160
GI	none	Score	.41
Exons	43835..44042, 44118..44737, 44807..44984, 45061..45212, 45325..45518, 45702..45957, 46168..46349, 46439..46612, 46702..46792, 47676..47749, 48278..48407, 48443..48616, 48735..48902, 49023..49160		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13722	Strand	+
Start	66305	End	71674
Name	OJ990311_13.9819.C11.o11.np	Method	AAT/NAP
Start	66305	End	71674
GI	4680179	Score	5594
Exons	66305..66377, 67273..68266, 68294..71674		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13723	Strand	-
Start	893	End	4981
Name	OJ990311_13.9819.C11.o1.gs	Method	GENSCAN

Start	893	End	4981
GI	none	Score	.7
Exons	893..1055, 3275..3420, 3646..3696, 4524..4700, 4925..4981		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13724	Strand	-
Start	10106	End	15752
Name	OJ990311_13.9819.C11.o2.np	Method	AAT/NAP
Start	10106	End	15752
GI	6498441	Score	6791
Exons	10106..10387, 10481..11878, 12050..12532, 12725..12965, 13140..13274, 13458..13831, 13895..14358, 14689..15752		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13725	Strand	-
Start	20819	End	21121
Name	OJ990311_13.9819.C11.o5.np	Method	AAT/NAP
Start	20819	End	21121
GI	6539578	Score	140
Exons	20819..21121		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13726	Strand	-
Start	32640	End	37178
Name	OJ990311_13.9819.C11.o7.np	Method	AAT/NAP
Start	32640	End	37178
GI	4680203	Score	1615
Exons	32640..32759, 33842..34687, 34964..35190, 35350..36261, 36295..36658, 36695..36906, 36970..37178		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13726	Strand	-
Start	32640	End	37178
Name	OJ990311_13.9819.C11.o8.gs	Method	GENSCAN
Start	33734	End	37137
GI	none	Score	.55
Exons	33734..34062, 34573..35473, 35633..35890, 36209..36793, 36844..37137		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	10472	End	71296
GI	none	Score	707
Exons	10472..10588, 10643..10801, 70670..71296, 70671..70691, 70726..71175, 70727..71287, 71236..71295		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o10.tw	Method	TBLASTX:Wheat

Start	10844	End	11233
GI	none	Score	169
Exons	10844..11233, 10920..11210		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o6.tm	Method	TBLASTX:Maize
Start	10913	End	11236
GI	none	Score	192
Exons	10913..11236, 10926..11207		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o22.tw	Method	TBLASTX:Wheat
Start	11429	End	11741
GI	none	Score	67
Exons	11429..11689, 11565..11741		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o5.ts	Method	TBLASTX:Soybean
Start	11489	End	12055
GI	5666795	Score	64
Exons	11489..11689, 11744..11881, 11957..12055		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o11.tw	Method	TBLASTX:Wheat
Start	11744	End	15204
GI	none	Score	86
Exons	11744..11893, 11745..11882, 11747..11884, 11940..12113, 11954..12205, 11954..12178, 15151..15204		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o6.tw	Method	TBLASTX:Wheat
Start	12828	End	69670
GI	none	Score	335
Exons	12828..13253, 12833..13252, 62485..62673, 62535..62699, 62601..62714, 62615..62701, 69425..69670		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	12911	End	69655
GI	none	Score	56
Exons	12911..13282, 62446..62604, 62601..62711, 69260..69292, 69262..69291, 69296..69349, 69298..69339, 69395..69439, 69404..69655, 69412..69645, 69503..69646		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o7.tm	Method	TBLASTX:Maize
Start	12926	End	69640
GI	none	Score	226
Exons	12926..13309, 12945..13310, 62425..62673, 62446..62553, 62535..62609, 62601..62708, 62615..62701, 69425..69640		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o5.tm	Method	TBLASTX:Maize
Start	13337	End	69214
GI	none	Score	115
Exons	13337..13642, 13337..13693, 13347..13658, 62040..62396, 62041..62397, 68969..69214		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	13361	End	69187
GI	none	Score	400
Exons	13361..13822, 13362..13823, 61912..62367, 61974..62366, 68969..69187		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o8.ts	Method	TBLASTX:Soybean
Start	13418	End	62145
GI	none	Score	99
Exons	13418..13552, 13559..13783, 61951..62145		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o7.tw	Method	TBLASTX:Wheat
Start	13991	End	61707
GI	none	Score	165
Exons	13991..14473, 14019..14279, 14301..14474, 58261..58362, 61327..61458, 61507..61707, 61507..61701		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o13.tw	Method	TBLASTX:Wheat
Start	15212	End	60528
GI	none	Score	80
Exons	15212..15469, 15324..15485, 15452..15550, 15453..15533, 15557..15604, 52667..52771, 60208..60288, 60280..60528		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o15.tm	Method	TBLASTX:Maize

Start	15314	End	60411
GI	none	Score	86
Exons	15314..15562, 15315..15599, 52583..52759, 60208..60411		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o14.tw	Method	TBLASTX:Wheat
Start	17705	End	36611
GI	none	Score	85
Exons	17705..17824, 17737..17838, 17821..17862, 17860..18054, 17862..18056, 17862..18053, 17867..18064, 17867..18058, 36359..36595, 36359..36493, 36363..36611, 36363..36512, 36548..36610		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o3.ts	Method	TBLASTX:Soybean
Start	17985	End	36448
GI	none	Score	103
Exons	17985..18068, 17986..18060, 18061..18156, 18145..18396, 18147..18401, 18148..18414, 35987..36253, 35988..36227, 36326..36448		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	18154	End	36247
GI	none	Score	222
Exons	18154..18426, 18426..18491, 35906..36247, 35913..36062		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o9.tm	Method	TBLASTX:Maize
Start	18154	End	36391
GI	none	Score	67
Exons	18154..18243, 18259..18423, 18282..18410, 18425..18538, 18426..18536, 35861..36112, 35930..36091, 35931..36110, 36170..36247, 36305..36391		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o8.tw	Method	TBLASTX:Wheat
Start	18336	End	36110
GI	none	Score	112
Exons	18336..18425, 18337..18426, 18441..18539, 18446..18538, 18449..18541, 18519..18743, 18540..18743, 18542..18748, 35666..35704, 35717..35812, 35843..35956, 35856..35954, 35960..36061, 35961..36089, 36068..36109, 36069..36110		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687

Name	OJ990311_13.9819.C11.o6.ts	Method	TBLASTX:Soybean
Start	18624	End	35782
GI	none	Score	199
Exons	18624..18854, 35552..35707, 35717..35782		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o9.tw	Method	TBLASTX:Wheat
Start	18887	End	35518
GI	none	Score	90
Exons	18887..18937, 18888..18950, 18936..19178, 18956..19129, 19208..19291, 19211..19291, 19212..19292, 35075..35161, 35076..35162, 35304..35369, 35309..35398, 35477..35518		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	19293	End	41621
GI	none	Score	385
Exons	19293..19478, 19298..19600, 19299..19601, 33941..34042, 34058..34162, 34059..34163, 34151..34309, 34167..34298, 34358..35074, 34521..35021, 40595..41200, 40596..41216, 41210..41254, 41211..41255, 41258..41353, 41262..41321, 41300..41425, 41301..41429, 41331..41447, 41469..41534, 41523..41621		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	19341	End	35098
GI	none	Score	247
Exons	19341..19601, 19352..19591, 34715..35029, 34716..35030, 35030..35098		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o15.tw	Method	TBLASTX:Wheat
Start	25270	End	44830
GI	none	Score	64
Exons	25270..25347, 25274..25342, 25426..25671, 25453..25542, 44429..44665, 44429..44572, 44485..44670, 44660..44830, 44713..44829		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o9.ts	Method	TBLASTX:Soybean
Start	28310	End	28690
GI	none	Score	106
Exons	28310..28516, 28499..28690		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-

Start	72423	End	72687
Name	OJ990311_13.9819.C11.o17.tw	Method	TBLASTX:Wheat
Start	28337	End	28792
GI	none	Score	89
Exons	28337..28480, 28364..28489, 28496..28792, 28573..28782		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o10.tm	Method	TBLASTX:Maize
Start	34175	End	41201
GI	none	Score	83
Exons	34175..34279, 34176..34280, 34295..34465, 34329..34463, 40911..41012, 41076..41189, 41079..41201		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	34358	End	41033
GI	none	Score	144
Exons	34358..34783, 34521..34775, 40584..41033, 40592..41029, 40596..41033		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o12.tm	Method	TBLASTX:Maize
Start	38204	End	38693
GI	none	Score	87
Exons	38204..38266, 38220..38309, 38360..38530, 38361..38609, 38592..38693		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o23.tw	Method	TBLASTX:Wheat
Start	38571	End	38897
GI	none	Score	185
Exons	38571..38897, 38690..38887		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o8.tm	Method	TBLASTX:Maize
Start	38694	End	39377
GI	none	Score	155
Exons	38694..38915, 38702..38887, 39003..39227, 39258..39377		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o10.ts	Method	TBLASTX:Soybean
Start	39003	End	39641
GI	none	Score	109
Exons	39003..39230, 39240..39338, 39429..39491, 39618..39641		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o16.tw	Method	TBLASTX:Wheat
Start	39363	End	39698
GI	none	Score	183
Exons	39363..39569, 39365..39544, 39476..39544, 39578..39694, 39579..39698		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o14.tm	Method	TBLASTX:Maize
Start	39378	End	39746
GI	none	Score	144
Exons	39378..39569, 39437..39568, 39448..39588, 39567..39644, 39636..39746		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o13.tm	Method	TBLASTX:Maize
Start	39996	End	40311
GI	none	Score	96
Exons	39996..40100, 40093..40311, 40168..40299		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o7.ts	Method	TBLASTX:Soybean
Start	62152	End	69187
GI	none	Score	93
Exons	62152..62358, 68873..69187		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o21.tw	Method	TBLASTX:Wheat
Start	67417	End	67615
GI	none	Score	195
Exons	67417..67614, 67418..67615		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o11.tm	Method	TBLASTX:Maize
Start	67667	End	68005
GI	none	Score	246
Exons	67667..68005, 67667..67876		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o12.tw	Method	TBLASTX:Wheat
Start	67667	End	68017
GI	none	Score	314
Exons	67667..68017		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o19.tw	Method	TBLASTX:Wheat
Start	68351	End	68704
GI	none	Score	245
Exons	68351..68704		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o16.tm	Method	TBLASTX:Maize
Start	68738	End	68905
GI	none	Score	193
Exons	68738..68905, 68746..68853		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o20.tw	Method	TBLASTX:Wheat
Start	69197	End	69373
GI	none	Score	220
Exons	69197..69346, 69205..69342, 69219..69362, 69224..69373, 69261..69371		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o5.tw	Method	TBLASTX:Wheat
Start	69671	End	70096
GI	none	Score	588
Exons	69671..70096, 69679..70089, 69746..70096		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o4.ts	Method	TBLASTX:Soybean
Start	69677	End	69925
GI	none	Score	206
Exons	69677..69925		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	69743	End	70096
GI	none	Score	463
Exons	69743..70096, 69748..70089		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	70124	End	70663
GI	none	Score	622
Exons	70124..70663, 70306..70662		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o3.tc	Method	TBLASTX:Cress
Start	70361	End	70687
GI	none	Score	91
Exons	70361..70543, 70544..70687, 70546..70686		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	70454	End	70711
GI	none	Score	298
Exons	70454..70711, 70462..70710		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	70510	End	70801
GI	none	Score	410
Exons	70510..70797, 70511..70801, 70643..70798		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	70849	End	71434
GI	none	Score	219
Exons	70849..71004, 70850..71011, 71008..71169, 71009..71434, 71236..71433		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o18.tw	Method	TBLASTX:Wheat
Start	71300	End	71629
GI	none	Score	249
Exons	71300..71629, 71311..71577, 71447..71578		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o12.np	Method	AAT/NAP
Start	72381	End	72687
GI	5852179	Score	112
Exons	72381..72687		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	6498	Seq. ID	OJ990311_13.9819.C11
Gene No.	13727	Strand	-
Start	72423	End	72687
Name	OJ990311_13.9819.C11.o13.gs	Method	GENSCAN
Start	72423	End	72647
GI	none	Score	.5

Exons	72423..72647		
Seq. No.	6499	Seq. ID	OJ990311_13.9819.C12
Gene No.	13728	Strand	+
Start	1	End	710
Name	OJ990311_13.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	710
GI	4680179	Score	523
Exons	1..710		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	6499	Seq. ID	OJ990311_13.9819.C12
Gene No.	13728	Strand	+
Start	1	End	710
Name	OJ990311_13.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	231	End	588
GI	none	Score	183
Exons	231..488, 232..498, 502..588, 512..586		
Seq. No.	6499	Seq. ID	OJ990311_13.9819.C12
Gene No.	13728	Strand	+
Start	1	End	710
Name	OJ990311_13.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	241	End	488
GI	none	Score	183
Exons	241..471, 348..488		
Seq. No.	6500	Seq. ID	OJ990311_13.9819.C14
Gene No.	13729	Strand	-
Start	1	End	755
Name	OJ990311_13.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	755
GI	4505631	Score	1232
Exons	1..755		
GI Descrip.	protocadherin 1 (cadherin-like 1) gi|387675 (L11370) protocadherin 42 [Homo sapiens]		
Seq. No.	6500	Seq. ID	OJ990311_13.9819.C14
Gene No.	13729	Strand	-
Start	1	End	755
Name	OJ990311_13.9819.C14.o1.gs	Method	GENSCAN
Start	23	End	704
GI	none	Score	.55
Exons	23..704		
Seq. No.	6501	Seq. ID	OJ990311_13.9819.C16
Gene No.	13730	Strand	-
Start	354	End	510
Name	OJ990311_13.9819.C16.o1.gp	Method	AAT/GAP
Start	354	End	510
GI	jC-osleLIB3474037g11a1	Score	276
Exons	354..510		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		
Seq. No.	6502	Seq. ID	OJ990421_10.9819.C2
Gene No.	13731	Strand	+

Start	1	End	784
Name	OJ990421_10.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	657
GI	114409	Score	70
Exons	1..26, 217..361, 536..657		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN, MITOCHONDRIAL gi|67822|pir||PWRZAM H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice mitochondrion gi|13959|emb|CAA35787| (X51422) F-1-ATPase alpha subunit (AA 1-509) [Oryza sativa]		

Seq. No.	6502	Seq. ID	OJ990421_10.9819.C2
Gene No.	13731	Strand	+
Start	1	End	784
Name	OJ990421_10.9819.C2.o2.np	Method	AAT/NAP
Start	484	End	784
GI	3643596	Score	223
Exons	484..784		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6502	Seq. ID	OJ990421_10.9819.C2
Gene No.	13731	Strand	+
Start	1	End	784
Name	OJ990421_10.9819.C2.o1.gs	Method	GENSCAN
Start	511	End	699
GI	none	Score	.74
Exons	511..699		

Seq. No.	6502	Seq. ID	OJ990421_10.9819.C2
Gene No.	13732	Strand	-
Start	508	End	708
Name	OJ990421_10.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	484	End	708
GI	none	Score	186
Exons	484..657, 505..630, 619..708, 629..706, 630..707		

Seq. No.	6502	Seq. ID	OJ990421_10.9819.C2
Gene No.	13732	Strand	-
Start	508	End	708
Name	OJ990421_10.9819.C2.o1.gp	Method	AAT/GAP
Start	508	End	707
GI	35014_1.R1084	Score	320
Exons	508..707		
GI Descrip.	'3643596 2.0e-40 (AC005395) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6503	Seq. ID	OJ990421_10.9819.C3
Gene No.	13733	Strand	+
Start	108	End	916
Name	OJ990421_10.9819.C3.o1.np	Method	AAT/NAP
Start	108	End	916
GI	1724114	Score	196
Exons	108..200, 326..405, 550..648, 777..916		
GI Descrip.	(U80041) Af10-protein [Avena fatua]		

Seq. No.	6503	Seq. ID	OJ990421_10.9819.C3
Gene No.	13733	Strand	+
Start	108	End	916

Name	OJ990421_10.9819.C3.o1.gs	Method	GENSCAN
Start	149	End	628
GI	none	Score	.7
Exons	149..254, 326..405, 550..628		

Seq. No.	6504	Seq. ID	OJ990421_10.9819.C5
Gene No.	13734	Strand	-
Start	1	End	773
Name	OJ990421_10.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	773
GI	3643597	Score	249
Exons	1..322, 683..773		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6504	Seq. ID	OJ990421_10.9819.C5
Gene No.	13734	Strand	-
Start	1	End	773
Name	OJ990421_10.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	59	End	279
GI	none	Score	123
Exons	59..232, 61..237, 64..237, 232..279		

Seq. No.	6504	Seq. ID	OJ990421_10.9819.C5
Gene No.	13734	Strand	-
Start	1	End	773
Name	OJ990421_10.9819.C5.o1.gs	Method	GENSCAN
Start	64	End	282
GI	none	Score	.59
Exons	64..282		

Seq. No.	6505	Seq. ID	OJ990421_10.9819.C8
Gene No.	13735	Strand	+
Start	1	End	779
Name	OJ990421_10.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	779
GI	3643597	Score	194
Exons	1..24, 540..779		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6505	Seq. ID	OJ990421_10.9819.C8
Gene No.	13736	Strand	-
Start	105	End	211
Name	OJ990421_10.9819.C8.o1.gs	Method	GENSCAN
Start	105	End	211
GI	none	Score	.53
Exons	105..211		

Seq. No.	6506	Seq. ID	OJ990421_10.9819.C9
Gene No.	13737	Strand	+
Start	130	End	441
Name	OJ990421_10.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	127	End	441
GI	none	Score	41
Exons	127..165, 226..441, 240..440		

Seq. No.	6506	Seq. ID	OJ990421_10.9819.C9
Gene No.	13737	Strand	+

Start	130	End	441
Name	OJ990421_10.9819.C9.o1.gs	Method	GENSCAN
Start	130	End	441
GI	none	Score	.46
Exons	130..441		

Seq. No.	6507	Seq. ID	OJ990421_10.9819.C10
Gene No.	13738	Strand	+
Start	112	End	451
Name	OJ990421_10.9819.C10.o1.gs	Method	GENSCAN
Start	112	End	451
GI	none	Score	.46
Exons	112..247, 378..451		

Seq. No.	6507	Seq. ID	OJ990421_10.9819.C10
Gene No.	13739	Strand	-
Start	1491	End	1600
Name	OJ990421_10.9819.C10.o2.gs	Method	GENSCAN
Start	1491	End	1600
GI	none	Score	.89
Exons	1491..1495, 1549..1600		

Seq. No.	6508	Seq. ID	OJ990421_10.9819.C11
Gene No.	13740	Strand	+
Start	103	End	724
Name	OJ990421_10.9819.C11.o1.gs	Method	GENSCAN
Start	103	End	640
GI	none	Score	.68
Exons	103..640		

Seq. No.	6508	Seq. ID	OJ990421_10.9819.C11
Gene No.	13740	Strand	+
Start	103	End	724
Name	OJ990421_10.9819.C11.o1.gp	Method	AAT/GAP
Start	500	End	724
GI	52271_1.R1084	Score	379
Exons	500..724		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 5.0e-14 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	6508	Seq. ID	OJ990421_10.9819.C11
Gene No.	13741	Strand	+
Start	1632	End	5023
Name	OJ990421_10.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	105	End	227
GI	none	Score	213
Exons	105..227, 105..227		

Seq. No.	6508	Seq. ID	OJ990421_10.9819.C11
Gene No.	13741	Strand	+
Start	1632	End	5023
Name	OJ990421_10.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	1611	End	2763
GI	none	Score	48
Exons	1611..1664, 1631..1675, 1768..1821, 1769..1822, 1775..1819, 1927..2019, 1944..2024, 1944..2003, 2173..2253, 2181..2246, 2324..2410, 2326..2400, 2532..2642, 2725..2763		

Seq. No.	6508	Seq. ID	OJ990421_10.9819.C11
Gene No.	13741	Strand	+
Start	1632	End	5023
Name	OJ990421_10.9819.C11.o1.np	Method	AAT/NAP
Start	1632	End	4906
GI	1724114	Score	791
Exons	1632..1672, 1768..1819, 1945..2024, 2169..2247, 2327..2410, 2496..2641, 2727..2974, 3204..3272, 3434..3636, 3909..4522, 4837..4906		
GI Descrip.	(U80041) Af10-protein [Avena fatua]		

Seq. No.	6508	Seq. ID	OJ990421_10.9819.C11
Gene No.	13741	Strand	+
Start	1632	End	5023
Name	OJ990421_10.9819.C11.o2.gs	Method	GENSCAN
Start	1632	End	5023
GI	none	Score	.91
Exons	1632..1672, 1768..1873, 1945..2024, 2169..2247, 2327..2410, 2496..2641, 2727..2993, 3142..3272, 3434..3636, 3909..4524, 4836..5023		

Seq. No.	6508	Seq. ID	OJ990421_10.9819.C11
Gene No.	13741	Strand	+
Start	1632	End	5023
Name	OJ990421_10.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	2498	End	2763
GI	none	Score	171
Exons	2498..2584, 2499..2642, 2722..2763		

Seq. No.	6509	Seq. ID	OJ990421_10.9819.C13
Gene No.	13742	Strand	+
Start	1	End	211
Name	OJ990421_10.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	211
GI	6630699	Score	86
Exons	1..211		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6509	Seq. ID	OJ990421_10.9819.C13
Gene No.	13743	Strand	+
Start	348	End	1700
Name	OJ990421_10.9819.C13.o2.np	Method	AAT/NAP
Start	348	End	1700
GI	6539570	Score	118
Exons	348..542, 698..765, 1612..1700		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13744	Strand	+
Start	622	End	1871
Name	OJ990421_10.9819.C14.o1.gs	Method	GENSCAN
Start	622	End	1871
GI	none	Score	.7
Exons	622..686, 692..966, 1852..1871		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13745	Strand	+
Start	3494	End	9736
Name	OJ990421_10.9819.C14.o1.np	Method	AAT/NAP
Start	3098	End	5504
GI	3643597	Score	474
Exons	3098..3145, 3615..3705, 3810..3880, 4532..4783, 4867..4997, 5149..5504		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13745	Strand	+
Start	3494	End	9736
Name	OJ990421_10.9819.C14.o1.gp	Method	AAT/GAP
Start	3284	End	3663
GI	none	Score	678
Exons	3284..3663		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13745	Strand	+
Start	3494	End	9736
Name	OJ990421_10.9819.C14.o2.gs	Method	GENSCAN
Start	3494	End	9410
GI	none	Score	.92
Exons	3494..3880, 4532..4783, 4867..4962, 5149..5317, 5596..5696, 6054..6146, 7162..7233, 7411..7560, 8765..8953, 9243..9410		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13745	Strand	+
Start	3494	End	9736
Name	OJ990421_10.9819.C14.o2.np	Method	AAT/NAP
Start	8472	End	9736
GI	114419	Score	70
Exons	8472..8615, 9704..9736		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN, MITOCHONDRIAL gi|67820|pir||PWWTAM H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - wheat mitochondrion		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13745	Strand	+
Start	3494	End	9736
Name	OJ990421_10.9819.C14.o3.np	Method	AAT/NAP
Start	8738	End	9407
GI	3643596	Score	423
Exons	8738..8953, 9243..9407		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	4568	End	5274
GI	none	Score	41
Exons	4568..4615, 4610..4786, 4610..4783, 4615..4788, 4867..4980, 4869..4916, 4870..4944, 5147..5257, 5148..5264, 5149..5274, 5172..5261		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o3.tm	Method	TBLASTX:Maize
Start	5424	End	7237
GI	none	Score	141
Exons	5424..5525, 5431..5517, 5472..5519, 5595..5696, 5595..5696, 5597..5704, 6050..6145, 6052..6147, 6054..6146, 7155..7232, 7156..7233, 7160..7237, 7162..7233		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	8738	End	9421
GI	none	Score	186
Exons	8738..8911, 8759..8884, 8873..8965, 8884..8955, 9219..9413, 9240..9413, 9242..9421		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	8849	End	9410
GI	none	Score	129
Exons	8849..8965, 8851..8928, 9219..9281, 9240..9410, 9293..9394, 9309..9407		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o2.gp	Method	AAT/GAP
Start	9759	End	10729
GI	none	Score	1672
Exons	9759..10294, 10394..10729		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	9829	End	10728
GI	none	Score	63
Exons	9829..9897, 9871..9930, 9877..9939, 9894..9932, 9992..10105, 9997..10095, 9997..10116, 10144..10296, 10157..10297, 10172..10297, 10391..10432, 10393..10437, 10393..10431, 10513..10614, 10534..10608, 10541..10618, 10669..10728		

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	9996	End	10648
GI	none	Score	56
Exons	9996..10076, 9997..10074, 9997..10077, 10049..10099, 10083..10121, 10087..10209, 10100..10222, 10110..10205, 10127..10222, 10207..10296, 10208..10309, 10391..10462,		

10393..10461, 10498..10575, 10500..10577, 10537..10578,
10570..10638, 10583..10648

Seq. No.	6510	Seq. ID	OJ990421_10.9819.C14
Gene No.	13746	Strand	-
Start	9997	End	14699
Name	OJ990421_10.9819.C14.o3.gs	Method	GENSCAN
Start	9997	End	14699
GI	none	Score	.7
Exons	9997..10294, 10394..10643, 13127..13183, 13307..13492, 13494..13650, 13716..13905, 13999..14307, 14497..14699		

Seq. No.	6511	Seq. ID	OJ990421_10.9819.C15
Gene No.	13747	Strand	+
Start	2081	End	2361
Name	OJ990421_10.9819.C15.o1.gs	Method	GENSCAN
Start	2081	End	2361
GI	none	Score	.69
Exons	2081..2192, 2197..2361		

Seq. No.	6511	Seq. ID	OJ990421_10.9819.C15
Gene No.	13748	Strand	+
Start	4539	End	5158
Name	OJ990421_10.9819.C15.o2.gs	Method	GENSCAN
Start	4539	End	5158
GI	none	Score	.71
Exons	4539..4695, 4743..5158		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13749	Strand	+
Start	911	End	4257
Name	OJ990421_10.9819.C16.o2.np	Method	AAT/NAP
Start	911	End	2725
GI	461978	Score	531
Exons	911..985, 1763..2725		
GI Descrip.	GLUCAN ENDO-1,3-BETA-GLUCOSIDASE A PRECURSOR ((1->3)-BETA-GLUCAN ENDOHYDROLASE A) ((1->3)-BETA-GLUCANASE A) (ACIDIC BETA-1,3-GLUCANASE) (BETA-1,3-ENDOGLUCANASE A) gi|282944|pir||S26240 beta-glucanase - tomato gi|170380 (M80604) beta-1,3-glucanase [Lycopersicon esculentum]		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13749	Strand	+
Start	911	End	4257
Name	OJ990421_10.9819.C16.o3.np	Method	AAT/NAP
Start	974	End	3393
GI	4835761	Score	224
Exons	974..1051, 1823..2320, 2751..3034, 3373..3393		
GI Descrip.	(AC007202) T8K14.10 [Arabidopsis thaliana]		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13749	Strand	+
Start	911	End	4257
Name	OJ990421_10.9819.C16.o1.gs	Method	GENSCAN
Start	1350	End	4160
GI	none	Score	.63
Exons	1350..1395, 1743..3017, 3894..3924, 4031..4160		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13749	Strand	+
Start	911	End	4257
Name	OJ990421_10.9819.C16.o1.np	Method	AAT/NAP
Start	1760	End	2497
GI	2921323	Score	995
Exons	1760..2497		
GI Descrip.	(AF034112) beta-1,3-glucanase 7 [Glycine max]		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13749	Strand	+
Start	911	End	4257
Name	OJ990421_10.9819.C16.o1.gp	Method	AAT/GAP
Start	2949	End	4257
GI	286358	Score	606
Exons	2949..3017, 3894..3924, 4031..4257		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o2.ts	Method	TBLASTX:Soybean
Start	1736	End	2212
GI	none	Score	356
Exons	1736..2212, 1756..2211		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	1741	End	2848
GI	none	Score	1854
Exons	1741..2499, 1742..2848, 2075..2791, 2554..2847		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	1751	End	3016
GI	none	Score	185
Exons	1751..2047, 2063..2131, 2234..2356, 2369..2563, 2578..2727, 2582..2731, 2759..3016		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	1760	End	2170
GI	none	Score	188
Exons	1760..2047, 1765..1938, 2005..2055, 2066..2170, 2078..2161		

Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	2275	End	2908
GI	none	Score	1085

Exons	2275..2499, 2276..2908, 2276..2791, 2472..2900, 2554..2907		
Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o3.tw	Method	TBLASTX:Wheat
Start	2477	End	2716
GI	none	Score	174
Exons	2477..2716, 2572..2694		
Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	2768	End	3018
GI	none	Score	90
Exons	2768..2848, 2776..2847, 2852..3016, 2899..3018		
Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o2.tm	Method	TBLASTX:Maize
Start	2848	End	4353
GI	none	Score	302
Exons	2848..3018, 2849..3019, 2849..3022, 3882..3929, 3978..4193, 3990..4160, 3991..4215, 4033..4236, 4312..4353, 4315..4347		
Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o4.np	Method	AAT/NAP
Start	4882	End	6363
GI	3377509	Score	208
Exons	4882..5013, 5827..5989, 6067..6127, 6262..6363		
GI Descrip.	(AF056027) auxin transport protein REH1 [Oryza sativa]		
Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o2.gs	Method	GENSCAN
Start	5820	End	5989
GI	none	Score	.52
Exons	5820..5989		
Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o2.tc	Method	TBLASTX:Cress
Start	5823	End	6121
GI	none	Score	149
Exons	5823..5990, 5836..5994, 6059..6121, 6060..6119		
Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o3.tm	Method	TBLASTX:Maize
Start	5833	End	6121

GI	none	Score	138
Exons	5833..5991, 5835..5990, 6059..6121, 6060..6119		
Seq. No.	6512	Seq. ID	OJ990421_10.9819.C16
Gene No.	13750	Strand	-
Start	4882	End	6363
Name	OJ990421_10.9819.C16.o3.ts	Method	TBLASTX:Soybean
Start	5835	End	6127
GI	none	Score	153
Exons	5835..5990, 5836..5991, 6059..6127, 6066..6122		
Seq. No.	6513	Seq. ID	OJ990421_10.9819.C17
Gene No.	13751	Strand	-
Start	43	End	168
Name	OJ990421_10.9819.C17.o1.gs	Method	GENSCAN
Start	43	End	168
GI	none	Score	.43
Exons	43..168		
Seq. No.	6514	Seq. ID	OJ990421_10.9819.C19
Gene No.	13752	Strand	+
Start	140	End	261
Name	OJ990421_10.9819.C19.o1.gs	Method	GENSCAN
Start	140	End	261
GI	none	Score	.63
Exons	140..261		
Seq. No.	6514	Seq. ID	OJ990421_10.9819.C19
Gene No.	13753	Strand	-
Start	90	End	346
Name	OJ990421_10.9819.C19.o1.gp	Method	AAT/GAP
Start	90	End	346
GI	none	Score	472
Exons	90..346		
Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+
Start	1	End	1209
Name	OJ990421_10.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	416
GI	114419	Score	77
Exons	1..168, 328..416		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN, MITOCHONDRIAL gi|67820|pir||PWWTAM H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - wheat mitochondrion		
Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+
Start	1	End	1209
Name	OJ990421_10.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	258	End	942
GI	none	Score	186
Exons	258..431, 279..404, 393..485, 404..475, 740..934, 761..934, 762..935, 763..942		
Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+

Start	1	End	1209
Name	OJ990421_10.9819.C21.o2.np	Method	AAT/NAP
Start	258	End	928
GI	3643596	Score	423
Exons	258..473, 764..928		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+
Start	1	End	1209
Name	OJ990421_10.9819.C21.o1.gp	Method	AAT/GAP
Start	281	End	1209
GI	35014_1.R1084	Score	932
Exons	281..473, 764..1010, 1045..1209		
GI Descrip.	'3643596 2.0e-40 (AC005395) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+
Start	1	End	1209
Name	OJ990421_10.9819.C21.o1.gs	Method	GENSCAN
Start	285	End	931
GI	none	Score	.92
Exons	285..473, 764..931		

Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+
Start	1	End	1209
Name	OJ990421_10.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	345	End	910
GI	none	Score	163
Exons	345..485, 347..472, 750..827, 755..856, 761..856, 833..910, 847..909		

Seq. No.	6515	Seq. ID	OJ990421_10.9819.C21
Gene No.	13754	Strand	+
Start	1	End	1209
Name	OJ990421_10.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	369	End	931
GI	none	Score	129
Exons	369..485, 371..448, 740..802, 761..931, 814..915, 830..928		

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o1.gp	Method	AAT/GAP
Start	89	End	343
GI	4968607	Score	401
Exons	89..343		

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o1.gs	Method	GENSCAN
Start	167	End	3418
GI	none	Score	.52
Exons	167..526, 694..835, 895..1258, 2420..2449, 2545..2650,		

2722..2801, 2946..3024, 3104..3187, 3273..3418

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o2.tm	Method	TBLASTX:Maize
Start	323	End	529
GI	none	Score	282
Exons	323..529, 325..528		

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	701	End	1005
GI	none	Score	309
Exons	701..898, 702..881, 703..882, 883..1005, 883..1005		

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o2.gp	Method	AAT/GAP
Start	1278	End	1501
GI	52271_1.R1084	Score	362
Exons	1278..1501		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 5.0e-14 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	2388	End	3540
GI	none	Score	48
Exons	2388..2441, 2408..2452, 2545..2598, 2546..2599, 2552..2596, 2704..2796, 2721..2801, 2721..2780, 2950..3030, 2958..3023, 3101..3187, 3103..3177, 3309..3419, 3502..3540		

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o1.np	Method	AAT/NAP
Start	2409	End	3627
GI	1724114	Score	435
Exons	2409..2449, 2545..2596, 2722..2801, 2946..3024, 3104..3187, 3273..3418, 3504..3627		
GI Descrip.	(U80041) Af10-protein [Avena fatua]		

Seq. No.	6516	Seq. ID	OJ990421_10.9819.C22
Gene No.	13755	Strand	+
Start	89	End	3627
Name	OJ990421_10.9819.C22.o1.tc	Method	TBLASTX:Cress
Start	3275	End	3540
GI	none	Score	171
Exons	3275..3361, 3276..3419, 3499..3540		

Seq. No.	6517	Seq. ID	OJ990421_10.9819.C23

Gene No.	13756	Strand	+
Start	231	End	921
Name	OJ990421_10.9819.C23.o1.gs	Method	GENSCAN
Start	231	End	921
GI	none	Score	.81
Exons	231..293, 907..921		

Seq. No.	6518	Seq. ID	OJ990421_10.9819.C25
Gene No.	13757	Strand	-
Start	179	End	903
Name	OJ990421_10.9819.C25.o1.np	Method	AAT/NAP
Start	179	End	903
GI	3643597	Score	205
Exons	179..331, 361..534, 686..903		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6518	Seq. ID	OJ990421_10.9819.C25
Gene No.	13757	Strand	-
Start	179	End	903
Name	OJ990421_10.9819.C25.o1.gs	Method	GENSCAN
Start	366	End	816
GI	none	Score	.54
Exons	366..534, 721..816		

Seq. No.	6519	Seq. ID	OJ990421_10.9819.C26
Gene No.	13758	Strand	+
Start	293	End	1164
Name	OJ990421_10.9819.C26.o1.np	Method	AAT/NAP
Start	293	End	1164
GI	4539423	Score	264
Exons	293..431, 479..519, 603..665, 753..892, 1073..1164		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		

Seq. No.	6519	Seq. ID	OJ990421_10.9819.C26
Gene No.	13758	Strand	+
Start	293	End	1164
Name	OJ990421_10.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	328	End	901
GI	none	Score	90
Exons	328..375, 329..376, 477..521, 477..521, 478..522, 584..667, 585..668, 750..890, 751..888, 752..901, 754..891		

Seq. No.	6519	Seq. ID	OJ990421_10.9819.C26
Gene No.	13758	Strand	+
Start	293	End	1164
Name	OJ990421_10.9819.C26.o1.gs	Method	GENSCAN
Start	329	End	890
GI	none	Score	.71
Exons	329..375, 480..519, 603..665, 753..890		

Seq. No.	6519	Seq. ID	OJ990421_10.9819.C26
Gene No.	13758	Strand	+
Start	293	End	1164
Name	OJ990421_10.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	329	End	887
GI	none	Score	65

Exons	329..376, 477..521, 478..522, 584..667, 585..668, 750..887, 752..886		
Seq. No.	6519	Seq. ID	OJ990421_10.9819.C26
Gene No.	13758	Strand	+
Start	293	End	1164
Name	OJ990421_10.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	329	End	887
GI	none	Score	58
Exons	329..376, 334..375, 477..518, 478..522, 585..668, 605..667, 750..887, 752..883		
Seq. No.	6520	Seq. ID	OJ990421_10.9819.C27
Gene No.	13759	Strand	+
Start	413	End	484
Name	OJ990421_10.9819.C27.o1.gs	Method	GENSCAN
Start	413	End	484
GI	none	Score	.95
Exons	413..484		
Seq. No.	6521	Seq. ID	OJ990421_10.9819.C28
Gene No.	13760	Strand	+
Start	138	End	641
Name	OJ990421_10.9819.C28.o1.gs	Method	GENSCAN
Start	138	End	641
GI	none	Score	.64
Exons	138..308, 540..641		
Seq. No.	6522	Seq. ID	OJ990421_10.9819.C29
Gene No.	13761	Strand	-
Start	250	End	591
Name	OJ990421_10.9819.C29.o1.gs	Method	GENSCAN
Start	250	End	591
GI	none	Score	.7
Exons	250..338, 441..591		
Seq. No.	6523	Seq. ID	OJ990421_10.9819.C30
Gene No.	13762	Strand	+
Start	598	End	669
Name	OJ990421_10.9819.C30.o1.gs	Method	GENSCAN
Start	598	End	669
GI	none	Score	.92
Exons	598..669		
Seq. No.	6524	Seq. ID	OJ990421_10.9819.C31
Gene No.	13763	Strand	+
Start	293	End	600
Name	OJ990421_10.9819.C31.o1.gs	Method	GENSCAN
Start	293	End	600
GI	none	Score	.71
Exons	293..400, 409..600		
Seq. No.	6524	Seq. ID	OJ990421_10.9819.C31
Gene No.	13764	Strand	-
Start	208	End	373
Name	OJ990421_10.9819.C31.o1.gp	Method	AAT/GAP
Start	208	End	373

GI	44826_1.R1084	Score	300
Exons	208..373		
GI Descrip.	'2117355/pir||S51590 7.0e-31 mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato >gi_587562_emb_CAA56520_ (X80236) mitochondrial processing peptidase [Solanum tuberosum]'		

Seq. No.	6525	Seq. ID	OJ990421_10.9819.C35
Gene No.	13765	Strand	-
Start	555	End	869
Name	OJ990421_10.9819.C35.o1.gs	Method	GENSCAN
Start	555	End	869
GI	none	Score	.56
Exons	555..869		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13766	Strand	+
Start	1	End	516
Name	OJ990421_10.9819.C36.o1.np	Method	AAT/NAP
Start	1	End	516
GI	5922620	Score	73
Exons	1..52, 417..516		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13767	Strand	+
Start	2189	End	2694
Name	OJ990421_10.9819.C36.o1.gp	Method	AAT/GAP
Start	2189	End	2694
GI	none	Score	986
Exons	2189..2694		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13768	Strand	+
Start	3436	End	3927
Name	OJ990421_10.9819.C36.o2.gp	Method	AAT/GAP
Start	3436	End	3927
GI	3444993	Score	772
Exons	3436..3927		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13769	Strand	-
Start	425	End	1539
Name	OJ990421_10.9819.C36.o1.gs	Method	GENSCAN
Start	425	End	1539
GI	none	Score	.65
Exons	425..496, 1174..1262, 1365..1539		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13769	Strand	-
Start	425	End	1539
Name	OJ990421_10.9819.C36.o2.np	Method	AAT/NAP
Start	656	End	733

GI	6630699	Score	72
Exons	656..733		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13770	Strand	-
Start	1666	End	5595
Name	OJ990421_10.9819.C36.o3.np	Method	AAT/NAP
Start	1666	End	5595
GI	4263787	Score	301
Exons	1666..1712, 4214..4313, 4396..4478, 5100..5193, 5473..5595		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13770	Strand	-
Start	1666	End	5595
Name	OJ990421_10.9819.C36.o2.gs	Method	GENSCAN
Start	2411	End	5193
GI	none	Score	.73
Exons	2411..2795, 3302..3394, 3745..4073, 4224..4313, 4396..4478, 5100..5193		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13770	Strand	-
Start	1666	End	5595
Name	OJ990421_10.9819.C36.o1.tm	Method	TBLASTX:Maize
Start	3511	End	4443
GI	none	Score	43
Exons	3511..3552, 3512..3550, 3571..3615, 3574..3651, 3716..3769, 3717..3770, 3718..3924, 3765..3833, 3775..3864, 3808..3912, 3834..3947, 3886..3978, 3919..3996, 3927..4034, 3933..4013, 3996..4124, 4002..4121, 4027..4125, 4224..4313, 4225..4314, 4227..4328, 4376..4441, 4393..4443		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13770	Strand	-
Start	1666	End	5595
Name	OJ990421_10.9819.C36.o3.gp	Method	AAT/GAP
Start	3891	End	4514
GI	2800596	Score	890
Exons	3891..4313, 4396..4514		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13770	Strand	-
Start	1666	End	5595
Name	OJ990421_10.9819.C36.o1.tc	Method	TBLASTX:Cress
Start	4224	End	5202
GI	none	Score	64
Exons	4224..4313, 4228..4299, 4393..4488, 4394..4477, 5098..5202, 5102..5182		

Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13770	Strand	-
Start	1666	End	5595
Name	OJ990421_10.9819.C36.o1.ts	Method	TBLASTX:Soybean

Start	4224	End	5526
GI	none	Score	67
Exons	4224..4313, 4225..4302, 4376..4492, 4393..4488, 5101..5202, 5105..5188, 5476..5526		
Seq. No.	6526	Seq. ID	OJ990421_10.9819.C36
Gene No.	13770	Strand	-
Start	1666	End	5595
Name	OJ990421_10.9819.C36.o1.tw	Method	TBLASTX:Wheat
Start	4227	End	5526
GI	none	Score	61
Exons	4227..4328, 4228..4299, 4344..4475, 4376..4492, 4393..4488, 5098..5202, 5102..5203, 5461..5526		
Seq. No.	6527	Seq. ID	OJ990421_10.9819.C37
Gene No.	13771	Strand	-
Start	1	End	778
Name	OJ990421_10.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	778
GI	4263787	Score	155
Exons	1..106, 541..778		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		
Seq. No.	6527	Seq. ID	OJ990421_10.9819.C37
Gene No.	13771	Strand	-
Start	1	End	778
Name	OJ990421_10.9819.C37.o1.gs	Method	GENSCAN
Start	545	End	778
GI	none	Score	.99
Exons	545..778		
Seq. No.	6527	Seq. ID	OJ990421_10.9819.C37
Gene No.	13772	Strand	-
Start	782	End	1062
Name	OJ990421_10.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	536	End	653
GI	none	Score	167
Exons	536..652, 537..653, 545..652		
Seq. No.	6527	Seq. ID	OJ990421_10.9819.C37
Gene No.	13772	Strand	-
Start	782	End	1062
Name	OJ990421_10.9819.C37.o1.ts	Method	TBLASTX:Soybean
Start	545	End	676
GI	none	Score	84
Exons	545..658, 545..676, 558..662		
Seq. No.	6527	Seq. ID	OJ990421_10.9819.C37
Gene No.	13772	Strand	-
Start	782	End	1062
Name	OJ990421_10.9819.C37.o1.gp	Method	AAT/GAP
Start	782	End	1062
GI	none	Score	542
Exons	782..1062		
Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13773	Strand	+

Start	1206	End	1832
Name	OJ990421_10.9819.C38.o1.gs	Method	GENSCAN
Start	1206	End	1832
GI	none	Score	.53
Exons	1206..1235, 1473..1832		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13774	Strand	+
Start	6001	End	16837
Name	OJ990421_10.9819.C38.o3.gs	Method	GENSCAN
Start	6001	End	16837
GI	none	Score	.67
Exons	6001..6076, 6940..7052, 7619..7737, 7934..8159, 8242..8371, 8780..8932, 9319..9614, 10792..11088, 11171..11338, 11422..11589, 11671..11806, 12060..12157, 13417..13466, 14253..14365, 14545..14608, 14908..14986, 15711..16030, 16099..16429, 16530..16664, 16751..16837		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13774	Strand	+
Start	6001	End	16837
Name	OJ990421_10.9819.C38.o1.gp	Method	AAT/GAP
Start	9449	End	10919
GI	44826_1.R1084	Score	956
Exons	9449..9614, 10475..10696, 10792..10919		
GI Descrip.	'2117355/pir||S51590 7.0e-31 mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato >gi_587562_emb_CAA56520_ (X80236) mitochondrial processing peptidase [Solanum tuberosum]'		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13774	Strand	+
Start	6001	End	16837
Name	OJ990421_10.9819.C38.o1.np	Method	AAT/NAP
Start	9576	End	14609
GI	266567	Score	1450
Exons	9576..9629, 10475..10696, 10792..11088, 11171..11338, 11422..11589, 11671..11751, 11899..11965, 12060..12157, 13104..13176, 13259..13329, 13417..13466, 14253..14365, 14560..14609		
GI Descrip.	MITOCHONDRIAL PROCESSING PEPTIDASE ALPHA SUBUNIT PRECURSOR (ALPHA-MPP) (UBIQUINOL-CYTOCHROME C REDUCTASE SUBUNIT II) gi|421956|pir||S23558 mitochondrial processing peptidase (EC 3.4.99.41) alpha chain precursor - potato gi|21493|emb|CAA46990| (X66284) mitochondrial processing peptidase [Solanum tuberosum]		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13774	Strand	+
Start	6001	End	16837
Name	OJ990421_10.9819.C38.o2.gp	Method	AAT/GAP
Start	10921	End	12195
GI	661_1.R1084	Score	1377
Exons	10921..11088, 11171..11338, 11422..11589, 11671..11751, 11899..11965, 12060..12195		
GI Descrip.	'266567/sp|P29677|MPPA_SOLTU 4.0e-96 MITOCHONDRIAL PROCESSING PEPTIDASE ALPHA SUBUNIT PRECURSOR (ALPHA-MPP) (UBIQUINOL-CYTOCHROME C REDUCTASE SUBUNIT II)		

>gi_421956_pir__S23558 mitochondrial processing peptidase (EC 3.4.99.41) alpha chain precursor - potato
>gi_21493_emb_CAA46990_ (X66284) mitochondrial processing peptidase [Solanum tuberosum]'

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13774	Strand	+
Start	6001	End	16837
Name	OJ990421_10.9819.C38.o3.gp	Method	AAT/GAP
Start	13140	End	14831
GI	4632_1.R1084	Score	1002
Exons	13140..13176, 13259..13329, 13417..13466, 14253..14365, 14560..14831		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13775	Strand	+
Start	18598	End	26700
Name	OJ990421_10.9819.C38.o4.gs	Method	GENSCAN
Start	18598	End	26700
GI	none	Score	.73
Exons	18598..18769, 19330..19484, 20555..20839, 21486..21532, 21637..21676, 21760..21822, 21910..22047, 22594..22647, 22882..22950, 23067..23196, 23487..23527, 23685..23909, 24598..24643, 24775..24926, 25063..25258, 26063..26700		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13775	Strand	+
Start	18598	End	26700
Name	OJ990421_10.9819.C38.o2.np	Method	AAT/NAP
Start	21450	End	25260
GI	4539423	Score	1332
Exons	21450..21588, 21636..21676, 21760..21822, 21910..22051, 22313..22512, 22594..22647, 22882..22950, 23067..23196, 23487..23527, 23685..23909, 24598..24643, 24775..24926, 25063..25260		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13776	Strand	-
Start	2249	End	3290
Name	OJ990421_10.9819.C38.o2.gs	Method	GENSCAN
Start	2249	End	3290
GI	none	Score	.48
Exons	2249..2354, 2523..2631, 3134..3290		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o6.tc	Method	TBLASTX:Cress
Start	7784	End	8048
GI	none	Score	104
Exons	7784..7846, 7785..7850, 7895..8008, 7899..8009, 7983..8048		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o2.tc	Method	TBLASTX:Cress
Start	8185	End	8388
GI	none	Score	306
Exons	8185..8388, 8193..8381		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o4.tm	Method	TBLASTX:Maize
Start	8187	End	8548
GI	none	Score	277
Exons	8187..8378, 8188..8388, 8503..8544, 8504..8548		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o3.ts	Method	TBLASTX:Soybean
Start	8206	End	8548
GI	none	Score	240
Exons	8206..8394, 8208..8384, 8485..8547, 8489..8548		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	10439	End	14612
GI	none	Score	253
Exons	10439..10693, 10469..10678, 10494..10682, 10507..10692, 10791..11087, 10792..11091, 10795..11088, 11167..11340, 11168..11347, 11168..11341, 11187..11342, 11388..11618, 11416..11586, 11426..11587, 11670..11744, 11674..11760, 11675..11785, 11675..11764, 11895..11966, 11897..11968, 11897..11965, 12061..12183, 12062..12157, 13103..13174, 13104..13169, 13106..13180, 13249..13323, 13257..13328, 13258..13329, 13420..13467, 13420..13470, 14236..14364, 14241..14369, 14250..14369, 14559..14612		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o1.tc	Method	TBLASTX:Cress
Start	10475	End	11347
GI	none	Score	121
Exons	10475..10513, 10484..10693, 10627..10689, 10788..11075, 10792..11091, 10794..11084, 10798..11088, 11168..11347, 11177..11347		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o1.ts	Method	TBLASTX:Soybean
Start	10484	End	12139
GI	none	Score	75
Exons	10484..10582, 10522..10692, 10622..10693, 10791..11000,		

10792..11049, 10804..11049, 10824..11057, 11050..11091,
11167..11340, 11168..11347, 11404..11577, 11416..11586,
11421..11618, 11671..11760, 11682..11759, 11895..11966,
12062..12139

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o1.tw	Method	TBLASTX:Wheat
Start	11168	End	11571
GI	none	Score	183
Exons	11168..11347, 11424..11564, 11425..11571		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o2.tm	Method	TBLASTX:Maize
Start	20344	End	23101
GI	none	Score	40
Exons	20344..20439, 20345..20374, 20480..20638, 20624..20839, 20638..20838, 21485..21532, 21486..21533, 21487..21534, 21634..21678, 21634..21678, 21635..21679, 21741..21824, 21742..21825, 21907..22047, 21909..22058, 22347..22514, 22351..22530, 22354..22524, 22590..22652, 22593..22652, 22594..22653, 22876..22950, 22880..22948, 23063..23101, 23065..23094		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o2.ts	Method	TBLASTX:Soybean
Start	20744	End	23920
GI	none	Score	97
Exons	20744..20839, 21486..21533, 21634..21678, 21635..21679, 21741..21824, 21742..21825, 21907..22044, 21909..22043, 22356..22514, 22357..22524, 22396..22530, 22590..22640, 22593..22631, 22594..22653, 22876..22956, 23057..23197, 23066..23197, 23067..23228, 23483..23527, 23489..23533, 23491..23538, 23684..23911, 23685..23909, 23777..23920		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o3.tc	Method	TBLASTX:Cress
Start	20765	End	22044
GI	none	Score	91
Exons	20765..20839, 21486..21533, 21491..21532, 21634..21675, 21635..21679, 21742..21825, 21762..21824, 21907..22044, 21909..22040		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o4.tc	Method	TBLASTX:Cress
Start	22345	End	22929
GI	none	Score	67
Exons	22345..22530, 22356..22514, 22357..22524, 22590..22658,		

22593..22652, 22594..22653, 22876..22929

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o3.tw	Method	TBLASTX:Wheat
Start	22900	End	23855
GI	none	Score	81
Exons	22900..22956, 23066..23176, 23067..23171, 23483..23527, 23485..23529, 23675..23815, 23685..23855, 23685..23831		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o3.tm	Method	TBLASTX:Maize
Start	23101	End	25289
GI	none	Score	153
Exons	23101..23196, 23103..23228, 23103..23198, 23459..23527, 23485..23529, 23488..23535, 23683..23778, 23685..23909, 23685..23909, 23771..23914, 24586..24642, 24595..24642, 24597..24644, 24772..24924, 24773..24934, 24774..24938, 25062..25163, 25063..25200, 25064..25213, 25249..25278, 25250..25288, 25251..25289		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o5.tc	Method	TBLASTX:Cress
Start	23675	End	23876
GI	none	Score	215
Exons	23675..23815, 23685..23876		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o2.tw	Method	TBLASTX:Wheat
Start	24773	End	24919
GI	none	Score	248
Exons	24773..24919, 24774..24917, 24781..24918		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o4.ts	Method	TBLASTX:Soybean
Start	24773	End	25179
GI	none	Score	93
Exons	24773..24874, 24773..24877, 24774..24878, 24878..24922, 24879..24929, 25066..25179, 25080..25163, 25087..25179		

Seq. No.	6528	Seq. ID	OJ990421_10.9819.C38
Gene No.	13777	Strand	-
Start	26938	End	27475
Name	OJ990421_10.9819.C38.o5.gs	Method	GENSCAN
Start	26938	End	27475
GI	none	Score	.82
Exons	26938..27151, 27438..27475		

Seq. No.	6529	Seq. ID	OJ990421_10.9819.C39
Gene No.	13778	Strand	-
Start	372	End	487
Name	OJ990421_10.9819.C39.o1.gs	Method	GENSCAN
Start	372	End	487
GI	none	Score	.51
Exons	372..487		

Seq. No.	6530	Seq. ID	OJ990421_10.9819.C41
Gene No.	13779	Strand	-
Start	76	End	582
Name	OJ990421_10.9819.C41.o1.gp	Method	AAT/GAP
Start	76	End	567
GI	none	Score	890
Exons	76..567		

Seq. No.	6530	Seq. ID	OJ990421_10.9819.C41
Gene No.	13779	Strand	-
Start	76	End	582
Name	OJ990421_10.9819.C41.o1.tm	Method	TBLASTX:Maize
Start	102	End	570
GI	none	Score	63
Exons	102..170, 144..203, 150..212, 270..380, 417..569, 430..570,	167..205, 268..378, 270..368, 445..570	

Seq. No.	6530	Seq. ID	OJ990421_10.9819.C41
Gene No.	13779	Strand	-
Start	76	End	582
Name	OJ990421_10.9819.C41.o1.tw	Method	TBLASTX:Wheat
Start	269	End	582
GI	none	Score	56
Exons	269..349, 270..347, 270..350, 400..489, 480..569, 484..582	345..371, 346..372, 360..482,	

Seq. No.	6531	Seq. ID	OJ990421_10.9819.C42
Gene No.	13780	Strand	+
Start	571	End	1139
Name	OJ990421_10.9819.C42.o2.gp	Method	AAT/GAP
Start	571	End	1139
GI	35014_1.R1084	Score	903
Exons	571..1139		
GI Descrip.	'3643596 2.0e-40 (AC005395) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6531	Seq. ID	OJ990421_10.9819.C42
Gene No.	13781	Strand	-
Start	80	End	596
Name	OJ990421_10.9819.C42.o1.gp	Method	AAT/GAP
Start	80	End	596
GI	none	Score	995
Exons	80..596		

Seq. No.	6531	Seq. ID	OJ990421_10.9819.C42
Gene No.	13781	Strand	-
Start	80	End	596
Name	OJ990421_10.9819.C42.o1.gs	Method	GENSCAN
Start	228	End	309

GI	none	Score	.45
Exons	228..309		

Seq. No.	6531	Seq. ID	OJ990421_10.9819.C42
Gene No.	13782	Strand	-
Start	975	End	1139
Name	OJ990421_10.9819.C42.o1.tm	Method	TBLASTX:Maize
Start	80	End	529
GI	none	Score	199
Exons	80..214, 81..185, 82..201, 242..361, 253..366, 263..361, 395..421, 419..481, 426..464, 428..487, 461..529		

Seq. No.	6531	Seq. ID	OJ990421_10.9819.C42
Gene No.	13782	Strand	-
Start	975	End	1139
Name	OJ990421_10.9819.C42.o1.tw	Method	TBLASTX:Wheat
Start	80	End	362
GI	none	Score	122
Exons	80..151, 81..149, 82..150, 136..258, 136..231, 149..271, 153..248, 237..275, 259..309, 281..361, 282..362, 284..361		

Seq. No.	6531	Seq. ID	OJ990421_10.9819.C42
Gene No.	13782	Strand	-
Start	975	End	1139
Name	OJ990421_10.9819.C42.o1.np	Method	AAT/NAP
Start	975	End	1139
GI	3643596	Score	121
Exons	975..1139		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6532	Seq. ID	OJ990421_10.9819.C43
Gene No.	13783	Strand	+
Start	1	End	1199
Name	OJ990421_10.9819.C43.o1.np	Method	AAT/NAP
Start	1	End	1199
GI	4539423	Score	399
Exons	1..225, 307..360, 595..663, 780..978, 1155..1199		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		

Seq. No.	6532	Seq. ID	OJ990421_10.9819.C43
Gene No.	13783	Strand	+
Start	1	End	1199
Name	OJ990421_10.9819.C43.o1.tm	Method	TBLASTX:Maize
Start	93	End	814
GI	none	Score	242
Exons	93..137, 94..237, 94..243, 303..365, 306..365, 307..366, 589..663, 593..661, 779..814, 780..809		

Seq. No.	6532	Seq. ID	OJ990421_10.9819.C43
Gene No.	13783	Strand	+
Start	1	End	1199
Name	OJ990421_10.9819.C43.o1.tc	Method	TBLASTX:Cress
Start	94	End	642
GI	none	Score	196
Exons	94..237, 112..243, 303..371, 306..365, 307..366, 589..642		

Seq. No.	6532	Seq. ID	OJ990421_10.9819.C43
Gene No.	13783	Strand	+
Start	1	End	1199
Name	OJ990421_10.9819.C43.o1.ts	Method	TBLASTX:Soybean
Start	94	End	941
GI	none	Score	201
Exons	94..237, 109..243, 303..353, 307..366, 589..669, 770..904, 779..910, 780..941, 780..911		

Seq. No.	6532	Seq. ID	OJ990421_10.9819.C43
Gene No.	13783	Strand	+
Start	1	End	1199
Name	OJ990421_10.9819.C43.o1.gs	Method	GENSCAN
Start	106	End	744
GI	none	Score	.9
Exons	106..225, 307..360, 595..744		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.o1.np	Method	AAT/NAP
Start	1	End	784
GI	4263787	Score	160
Exons	1..257, 340..422, 752..784		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.o1.gp	Method	AAT/GAP
Start	82	End	457
GI	2800596	Score	372
Exons	82..257, 340..457		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.o1.tm	Method	TBLASTX:Maize
Start	126	End	413
GI	none	Score	146
Exons	126..272, 145..258, 170..271, 320..409, 337..411, 345..413		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.o1.gs	Method	GENSCAN
Start	168	End	422
GI	none	Score	.82
Exons	168..257, 340..422		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.o1.tc	Method	TBLASTX:Cress
Start	168	End	432
GI	none	Score	64
Exons	168..257, 172..243, 337..432, 338..421		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.o1.ts	Method	TBLASTX:Soybean
Start	168	End	436
GI	none	Score	67
Exons	168..257, 169..246, 320..436, 337..432		

Seq. No.	6533	Seq. ID	OJ990421_10.9819.C44
Gene No.	13784	Strand	-
Start	1	End	784
Name	OJ990421_10.9819.C44.o1.tw	Method	TBLASTX:Wheat
Start	171	End	436
GI	none	Score	61
Exons	171..272, 172..243, 288..419, 320..436, 337..432		

Seq. No.	6534	Seq. ID	OJ990421_10.9819.C45
Gene No.	13785	Strand	-
Start	1	End	1635
Name	OJ990421_10.9819.C45.o1.np	Method	AAT/NAP
Start	1	End	1510
GI	4263787	Score	352
Exons	1..37, 246..343, 623..749, 1129..1510		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	6534	Seq. ID	OJ990421_10.9819.C45
Gene No.	13785	Strand	-
Start	1	End	1635
Name	OJ990421_10.9819.C45.o1.gs	Method	GENSCAN
Start	250	End	1635
GI	none	Score	.86
Exons	250..343, 623..745, 1268..1501, 1582..1635		

Seq. No.	6534	Seq. ID	OJ990421_10.9819.C45
Gene No.	13785	Strand	-
Start	1	End	1635
Name	OJ990421_10.9819.C45.o2.ts	Method	TBLASTX:Soybean
Start	251	End	759
GI	none	Score	70
Exons	251..352, 255..338, 626..748, 627..743, 628..759		

Seq. No.	6534	Seq. ID	OJ990421_10.9819.C45
Gene No.	13785	Strand	-
Start	1	End	1635
Name	OJ990421_10.9819.C45.o1.tm	Method	TBLASTX:Maize
Start	611	End	1384
GI	none	Score	192
Exons	611..748, 621..764, 624..743, 1259..1384, 1268..1375		

Seq. No.	6534	Seq. ID	OJ990421_10.9819.C45
Gene No.	13785	Strand	-
Start	1	End	1635
Name	OJ990421_10.9819.C45.o1.ts	Method	TBLASTX:Soybean
Start	1268	End	1390
GI	none	Score	88
Exons	1268..1390, 1281..1367		

Seq. No.	6535	Seq. ID	OJ990421_10.9819.C46
Gene No.	13786	Strand	-
Start	1	End	401
Name	OJ990421_10.9819.C46.o1.np	Method	AAT/NAP
Start	1	End	401
GI	4539423	Score	196
Exons	1..201, 359..401		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		

Seq. No.	6535	Seq. ID	OJ990421_10.9819.C46
Gene No.	13787	Strand	-
Start	359	End	427
Name	OJ990421_10.9819.C46.o1.tm	Method	TBLASTX:Maize
Start	82	End	403
GI	none	Score	118
Exons	82..201, 83..211, 357..401, 359..403		

Seq. No.	6535	Seq. ID	OJ990421_10.9819.C46
Gene No.	13787	Strand	-
Start	359	End	427
Name	OJ990421_10.9819.C46.o1.tw	Method	TBLASTX:Wheat
Start	82	End	403
GI	none	Score	119
Exons	82..201, 83..211, 357..401, 359..403		

Seq. No.	6535	Seq. ID	OJ990421_10.9819.C46
Gene No.	13787	Strand	-
Start	359	End	427
Name	OJ990421_10.9819.C46.o1.ts	Method	TBLASTX:Soybean
Start	82	End	427
GI	none	Score	79
Exons	82..201, 82..201, 83..202, 348..395, 353..397, 357..401, 359..427		

Seq. No.	6535	Seq. ID	OJ990421_10.9819.C46
Gene No.	13787	Strand	-
Start	359	End	427
Name	OJ990421_10.9819.C46.o1.tc	Method	TBLASTX:Cress
Start	92	End	427
GI	none	Score	107
Exons	92..202, 94..201, 357..401, 359..427		

Seq. No.	6535	Seq. ID	OJ990421_10.9819.C46
Gene No.	13787	Strand	-
Start	359	End	427
Name	OJ990421_10.9819.C46.o1.gs	Method	GENSCAN
Start	359	End	399
GI	none	Score	.42
Exons	359..399		

Seq. No.	6536	Seq. ID	OJ990421_10.9819.C47
Gene No.	13788	Strand	-
Start	43	End	468
Name	OJ990421_10.9819.C47.o1.gs	Method	GENSCAN
Start	43	End	468

GI	none	Score	.52
Exons	43..76, 266..468		

Seq. No.	6537	Seq. ID	OJ990421_10.9819.C48
Gene No.	13789	Strand	+
Start	1	End	495
Name	OJ990421_10.9819.C48.o1.np	Method	AAT/NAP
Start	1	End	495
GI	2688822	Score	148
Exons	1..158, 295..495		
GI Descrip.	(U93272) pyrophosphate-dependent phosphofructo-1-kinase [Prunus armeniaca]		

Seq. No.	6537	Seq. ID	OJ990421_10.9819.C48
Gene No.	13789	Strand	+
Start	1	End	495
Name	OJ990421_10.9819.C48.o1.tm	Method	TBLASTX:Maize
Start	89	End	382
GI	none	Score	128
Exons	89..166, 90..170, 294..380, 295..381, 296..382		

Seq. No.	6537	Seq. ID	OJ990421_10.9819.C48
Gene No.	13789	Strand	+
Start	1	End	495
Name	OJ990421_10.9819.C48.o1.gs	Method	GENSCAN
Start	96	End	490
GI	none	Score	.69
Exons	96..158, 295..490		

Seq. No.	6538	Seq. ID	OJ990421_10.9819.C50
Gene No.	13790	Strand	-
Start	88	End	1360
Name	OJ990421_10.9819.C50.o1.gp	Method	AAT/GAP
Start	88	End	1360
GI	4632_1.R1084	Score	352
Exons	88..154, 349..463, 1272..1360		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	6538	Seq. ID	OJ990421_10.9819.C50
Gene No.	13790	Strand	-
Start	88	End	1360
Name	OJ990421_10.9819.C50.o1.np	Method	AAT/NAP
Start	105	End	1360
GI	2117355	Score	138
Exons	105..154, 349..463, 1271..1360		
GI Descrip.	mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato gi|587562|emb|CAA56520| (X80236) mitochondrial processing peptidase [Solanum tuberosum]		

Seq. No.	6538	Seq. ID	OJ990421_10.9819.C50
Gene No.	13790	Strand	-
Start	88	End	1360
Name	OJ990421_10.9819.C50.o1.gs	Method	GENSCAN
Start	349	End	1336
GI	none	Score	.81

Exons	349..478, 1271..1336		
Seq. No.	6539	Seq. ID	OJ990421_10.9819.C51
Gene No.	13791	Strand	-
Start	282	End	344
Name	OJ990421_10.9819.C51.o1.gs	Method	GENSCAN
Start	282	End	344
GI	none	Score	.96
Exons	282..344		
Seq. No.	6540	Seq. ID	OJ990421_10.9819.C53
Gene No.	13792	Strand	-
Start	335	End	713
Name	OJ990421_10.9819.C53.o1.tm	Method	TBLASTX:Maize
Start	135	End	415
GI	none	Score	134
Exons	135..242, 143..244, 143..244, 314..415, 320..367, 322..408		
Seq. No.	6540	Seq. ID	OJ990421_10.9819.C53
Gene No.	13792	Strand	-
Start	335	End	713
Name	OJ990421_10.9819.C53.o1.np	Method	AAT/NAP
Start	335	End	713
GI	3643597	Score	88
Exons	335..713		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6541	Seq. ID	OJ990421_10.9819.C56
Gene No.	13793	Strand	-
Start	1	End	734
Name	OJ990421_10.9819.C56.o1.np	Method	AAT/NAP
Start	1	End	734
GI	4539423	Score	57
Exons	1..98, 184..389, 543..608, 655..734		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		
Seq. No.	6542	Seq. ID	OJ990421_10.9819.C58
Gene No.	13794	Strand	-
Start	1	End	778
Name	OJ990421_10.9819.C58.o1.np	Method	AAT/NAP
Start	1	End	778
GI	4539423	Score	164
Exons	1..186, 532..778		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		
Seq. No.	6542	Seq. ID	OJ990421_10.9819.C58
Gene No.	13794	Strand	-
Start	1	End	778
Name	OJ990421_10.9819.C58.o1.gs	Method	GENSCAN
Start	119	End	187
GI	none	Score	.83
Exons	119..187		
Seq. No.	6542	Seq. ID	OJ990421_10.9819.C58
Gene No.	13794	Strand	-

Start	1	End	778
Name	OJ990421_10.9819.C58.o1.tm	Method	TBLASTX:Maize
Start	119	End	748
GI	none	Score	94
Exons	119..193, 121..186, 568..741,	591..743, 630..743, 635..748	

Seq. No.	6543	Seq. ID	OJ990421_10.9819.C59
Gene No.	13795	Strand	-
Start	340	End	540
Name	OJ990421_10.9819.C59.o1.gs	Method	GENSCAN
Start	340	End	540
GI	none	Score	.4
Exons	340..540		

Seq. No.	6544	Seq. ID	OJ990421_10.9819.C60
Gene No.	13796	Strand	-
Start	404	End	577
Name	OJ990421_10.9819.C60.o1.gs	Method	GENSCAN
Start	404	End	577
GI	none	Score	.79
Exons	404..577		

Seq. No.	6545	Seq. ID	OJ990421_10.9819.C61
Gene No.	13797	Strand	+
Start	299	End	380
Name	OJ990421_10.9819.C61.o1.gs	Method	GENSCAN
Start	299	End	380
GI	none	Score	.83
Exons	299..380		

Seq. No.	6546	Seq. ID	OJ990421_10.9819.C62
Gene No.	13798	Strand	+
Start	261	End	425
Name	OJ990421_10.9819.C62.o1.gs	Method	GENSCAN
Start	261	End	425
GI	none	Score	.83
Exons	261..425		

Seq. No.	6547	Seq. ID	OJ990401_12.9819.C1
Gene No.	13799	Strand	-
Start	38	End	259
Name	OJ990401_12.9819.C1.o1.gs	Method	GENSCAN
Start	38	End	259
GI	none	Score	.82
Exons	38..259		

Seq. No.	6548	Seq. ID	OJ990401_12.9819.C2
Gene No.	13800	Strand	+
Start	332	End	562
Name	OJ990401_12.9819.C2.o1.np	Method	AAT/NAP
Start	332	End	534
GI	4680186	Score	222
Exons	332..534		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6548	Seq. ID	OJ990401_12.9819.C2
Gene No.	13800	Strand	+

Start	332	End	562
Name	OJ990401_12.9819.C2.o1.gs	Method	GENSCAN
Start	423	End	562
GI	none	Score	.52
Exons	423..562		

Seq. No.	6548	Seq. ID	OJ990401_12.9819.C2
Gene No.	13801	Strand	-
Start	78	End	463
Name	OJ990401_12.9819.C2.o1.gp	Method	AAT/GAP
Start	78	End	463
GI	uC-osflcyp033a04b1	Score	675
Exons	78..463		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6549	Seq. ID	OJ990401_12.9819.C3
Gene No.	13802	Strand	-
Start	563	End	740
Name	OJ990401_12.9819.C3.o1.gp	Method	AAT/GAP
Start	563	End	740
GI	5816516	Score	197
Exons	563..740		
GI Descrip.	6006895/gb|AAF00670.1|AC008153_22 3.0e-20 (AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6550	Seq. ID	OJ990401_12.9819.C4
Gene No.	13803	Strand	-
Start	833	End	1019
Name	OJ990401_12.9819.C4.o1.gs	Method	GENSCAN
Start	833	End	1019
GI	none	Score	.44
Exons	833..991, 996..1019		

Seq. No.	6551	Seq. ID	OJ990401_12.9819.C6
Gene No.	13804	Strand	+
Start	587	End	1682
Name	OJ990401_12.9819.C6.o1.gs	Method	GENSCAN
Start	587	End	1477
GI	none	Score	.79
Exons	587..802, 1379..1477		

Seq. No.	6551	Seq. ID	OJ990401_12.9819.C6
Gene No.	13804	Strand	+
Start	587	End	1682
Name	OJ990401_12.9819.C6.o1.gp	Method	AAT/GAP
Start	1114	End	1682
GI	4879016	Score	832
Exons	1114..1682		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13805	Strand	+
Start	1	End	3135
Name	OJ990401_12.9819.C7.o1.gp	Method	AAT/GAP

Start	1	End	3135
GI	342_1.R1084	Score	939
Exons	1..559, 3116..3135		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13805	Strand	+
Start	1	End	3135
Name	OJ990401_12.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	2820
GI	6742729	Score	794
Exons	1..611, 2746..2820		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13805	Strand	+
Start	1	End	3135
Name	OJ990401_12.9819.C7.o2.gp	Method	AAT/GAP
Start	1	End	559
GI	342_1.R1084	Score	941
Exons	1..559		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13805	Strand	+
Start	1	End	3135
Name	OJ990401_12.9819.C7.o2.np	Method	AAT/NAP
Start	1695	End	1780
GI	5852084	Score	76
Exons	1695..1780		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13806	Strand	+
Start	3368	End	3798
Name	OJ990401_12.9819.C7.o3.np	Method	AAT/NAP
Start	3368	End	3798
GI	6539570	Score	84
Exons	3368..3579, 3725..3798		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13807	Strand	+
Start	5500	End	8605
Name	OJ990401_12.9819.C7.o5.np	Method	AAT/NAP
Start	5500	End	8605
GI	4417306	Score	266
Exons	5500..6124, 6194..6391, 6526..6665, 6792..6923, 6963..7119, 7192..7310, 8560..8605		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13807	Strand	+
Start	5500	End	8605

Name	OJ990401_12.9819.C7.o6.np	Method	AAT/NAP
Start	6960	End	7672
GI	2522230	Score	327
Exons	6960..7672		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13808	Strand	-
Start	844	End	988
Name	OJ990401_12.9819.C7.o3.gp	Method	AAT/GAP
Start	844	End	988
GI	21474_1.R1084	Score	238
Exons	844..988		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13809	Strand	-
Start	3433	End	6366
Name	OJ990401_12.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	3	End	430
GI	none	Score	115
Exons	3..119, 5..112, 123..236, 128..220, 201..425, 221..430, 224..430		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13809	Strand	-
Start	3433	End	6366
Name	OJ990401_12.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	11	End	464
GI	none	Score	197
Exons	11..259, 15..260, 270..464		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13809	Strand	-
Start	3433	End	6366
Name	OJ990401_12.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	294	End	536
GI	none	Score	199
Exons	294..536		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13809	Strand	-
Start	3433	End	6366
Name	OJ990401_12.9819.C7.o4.np	Method	AAT/NAP
Start	3433	End	6366
GI	5922620	Score	66
Exons	3433..3499, 4599..5020, 6306..6366		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13809	Strand	-
Start	3433	End	6366

Name	OJ990401_12.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	5769	End	6197
GI	none	Score	90
Exons	5769..5885, 5901..6116, 6090..6197		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13809	Strand	-
Start	3433	End	6366
Name	OJ990401_12.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	5916	End	6224
GI	none	Score	188
Exons	5916..6224		

Seq. No.	6552	Seq. ID	OJ990401_12.9819.C7
Gene No.	13810	Strand	
Start	6999	End	7370
Name	OJ990401_12.9819.C7.o3.tw	Method	TBLASTX:Wheat
Start	6999	End	7370
GI	none	Score	101
Exons	6999..7142, 7185..7370, 7256..7369		

Seq. No.	6553	Seq. ID	OJ990401_12.9819.C8
Gene No.	13811	Strand	+
Start	7015	End	7720
Name	OJ990401_12.9819.C8.o3.np	Method	AAT/NAP
Start	7015	End	7720
GI	6539570	Score	82
Exons	7015..7215, 7644..7720		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	6553	Seq. ID	OJ990401_12.9819.C8
Gene No.	13812	Strand	-
Start	54	End	7697
Name	OJ990401_12.9819.C8.o1.gs	Method	GENSCAN
Start	54	End	7697
GI	none	Score	.52
Exons	54..398, 620..733, 2999..3093, 4862..4996, 5853..5883, 6269..6409, 6603..6707, 7089..7204, 7601..7697		

Seq. No.	6553	Seq. ID	OJ990401_12.9819.C8
Gene No.	13812	Strand	-
Start	54	End	7697
Name	OJ990401_12.9819.C8.o1.np	Method	AAT/NAP
Start	1111	End	2644
GI	99922	Score	144
Exons	1111..1305, 2367..2644		
GI Descrip.	hypothetical protein - soybean gi|930025|emb|CAA31883| (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	6553	Seq. ID	OJ990401_12.9819.C8
Gene No.	13812	Strand	-
Start	54	End	7697
Name	OJ990401_12.9819.C8.o2.np	Method	AAT/NAP
Start	3382	End	6152
GI	5922620	Score	47
Exons	3382..3423, 4831..4972, 6106..6152		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	6553	Seq. ID	OJ990401_12.9819.C8
Gene No.	13812	Strand	-
Start	54	End	7697
Name	OJ990401_12.9819.C8.o1.gp	Method	AAT/GAP
Start	3432	End	4000
GI	4879016	Score	808
Exons	3432..4000		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	6554	Seq. ID	OJ990401_12.9819.C9
Gene No.	13813	Strand	+
Start	1049	End	1163
Name	OJ990401_12.9819.C9.o1.gp	Method	AAT/GAP
Start	1049	End	1163
GI	LIB3477-003-P1-K1-E9	Score	150
Exons	1049..1163		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6554	Seq. ID	OJ990401_12.9819.C9
Gene No.	13814	Strand	-
Start	958	End	4303
Name	OJ990401_12.9819.C9.o1.np	Method	AAT/NAP
Start	958	End	4303
GI	4680204	Score	410
Exons	958..1012, 3146..3550, 3646..4303		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6554	Seq. ID	OJ990401_12.9819.C9
Gene No.	13814	Strand	-
Start	958	End	4303
Name	OJ990401_12.9819.C9.o2.np	Method	AAT/NAP
Start	3139	End	4303
GI	4680204	Score	404
Exons	3139..3550, 3646..4303		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6555	Seq. ID	OJ990401_12.9819.C10
Gene No.	13815	Strand	+
Start	110	End	373
Name	OJ990401_12.9819.C10.o1.gs	Method	GENSCAN
Start	110	End	373
GI	none	Score	.8
Exons	110..373		

Seq. No.	6555	Seq. ID	OJ990401_12.9819.C10
Gene No.	13816	Strand	-
Start	1186	End	1574
Name	OJ990401_12.9819.C10.o2.gs	Method	GENSCAN

Start	1186	End	1574
GI	none	Score	.55
Exons	1186..1291, 1495..1574		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.gp	Method	AAT/GAP
Start	254	End	4174
GI	342_1.R1084	Score	6109
Exons	254..4174		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.gs	Method	GENSCAN
Start	850	End	4178
GI	none	Score	.47
Exons	850..1471, 1822..3213, 3361..4178		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.np	Method	AAT/NAP
Start	871	End	5502
GI	4680203	Score	3135
Exons	871..1844, 2121..2351, 2505..4178, 5428..5502		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	925	End	2243
GI	none	Score	106
Exons	925..1017, 1006..1086, 1093..1209, 1093..1212, 1115..1237, 1157..1282, 1219..1278, 1285..1326, 1285..1329, 1290..1331, 1324..1446, 1340..1450, 1355..1450, 1440..1652, 1452..2237, 1459..2238, 1964..2239, 2058..2243		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	1503	End	1950
GI	none	Score	194
Exons	1503..1946, 1503..1946, 1507..1950		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	1881	End	2195
GI	none	Score	142
Exons	1881..2195, 1909..2184		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	2244	End	2649
GI	none	Score	72
Exons	2244..2324, 2245..2325, 2250..2330, 2358..2600, 2359..2577, 2586..2648, 2599..2649		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	2754	End	3212
GI	none	Score	100
Exons	2754..2945, 2958..3212, 2958..3200		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	2788	End	3246
GI	none	Score	81
Exons	2788..2892, 2791..2997, 2793..2996, 2793..3017, 2995..3087, 2997..3095, 2998..3090, 3081..3203, 3099..3203, 3103..3204, 3201..3245, 3205..3246		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	3045	End	3393
GI	none	Score	61
Exons	3045..3386, 3064..3192, 3241..3393		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	3126	End	3554
GI	none	Score	110
Exons	3126..3422, 3139..3390, 3417..3479, 3480..3554		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	3476	End	3827
GI	none	Score	126
Exons	3476..3727, 3486..3728, 3486..3737, 3487..3729, 3569..3736, 3720..3827		

Seq. No.	6556	Seq. ID	OJ990401_12.9819.C11
Gene No.	13817	Strand	-
Start	254	End	5502
Name	OJ990401_12.9819.C11.o2.gp	Method	AAT/GAP

Start	4039	End	4633
GI	2310235	Score	299
Exons	4039..4178, 4596..4633		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6557	Seq. ID	OJ990401_12.9819.C12
Gene No.	13818	Strand	+
Start	3538	End	5306
Name	OJ990401_12.9819.C12.o1.np	Method	AAT/NAP
Start	3538	End	5306
GI	6907087	Score	982
Exons	3538..3914, 3959..4665, 5205..5306		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6557	Seq. ID	OJ990401_12.9819.C12
Gene No.	13819	Strand	+
Start	5769	End	6153
Name	OJ990401_12.9819.C12.o1.gp	Method	AAT/GAP
Start	5769	End	6153
GI	uC-osflcyp033a04b1	Score	682
Exons	5769..6153		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6557	Seq. ID	OJ990401_12.9819.C12
Gene No.	13820	Strand	-
Start	5698	End	7651
Name	OJ990401_12.9819.C12.o2.np	Method	AAT/NAP
Start	5698	End	7651
GI	4680186	Score	222
Exons	5698..5902, 7631..7651		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6558	Seq. ID	OJ990401_12.9819.C13
Gene No.	13821	Strand	-
Start	1	End	366
Name	OJ990401_12.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	366
GI	5103193	Score	625
Exons	1..366		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	6558	Seq. ID	OJ990401_12.9819.C13
Gene No.	13821	Strand	-
Start	1	End	366
Name	OJ990401_12.9819.C13.o1.gs	Method	GENSCAN
Start	171	End	366
GI	none	Score	.64
Exons	171..366		

Seq. No.	6558	Seq. ID	OJ990401_12.9819.C13
Gene No.	13822	Strand	

Start	326	End	492
Name	OJ990401_12.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	326	End	492
GI	none	Score	191
Exons	326..472, 326..445, 328..492, 328..492		

Seq. No.	6559	Seq. ID	OJ990401_12.9819.C14
Gene No.	13823	Strand	+
Start	1	End	1181
Name	OJ990401_12.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	694
GI	6523547	Score	202
Exons	1..694		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	6559	Seq. ID	OJ990401_12.9819.C14
Gene No.	13823	Strand	+
Start	1	End	1181
Name	OJ990401_12.9819.C14.o1.gs	Method	GENSCAN
Start	22	End	1181
GI	none	Score	.63
Exons	22..145, 415..504, 681..847, 1062..1181		

Seq. No.	6560	Seq. ID	OJ990401_12.9819.C15
Gene No.	13824	Strand	+
Start	115	End	186
Name	OJ990401_12.9819.C15.o1.gs	Method	GENSCAN
Start	115	End	186
GI	none	Score	.63
Exons	115..186		

Seq. No.	6560	Seq. ID	OJ990401_12.9819.C15
Gene No.	13825	Strand	+
Start	305	End	453
Name	OJ990401_12.9819.C15.o1.gp	Method	AAT/GAP
Start	305	End	453
GI	uC-osf1cyp001c04b2	Score	226
Exons	305..453		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6561	Seq. ID	OJ990401_12.9819.C17
Gene No.	13826	Strand	-
Start	1	End	702
Name	OJ990401_12.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	702
GI	6742729	Score	529
Exons	1..702		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6561	Seq. ID	OJ990401_12.9819.C17
Gene No.	13826	Strand	-
Start	1	End	702
Name	OJ990401_12.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	134	End	520

GI	none	Score	95
Exons	134..244, 145..267, 146..268, 301..516, 302..520		

Seq. No.	6562	Seq. ID	OJ990401_12.9819.C18
Gene No.	13827	Strand	-
Start	256	End	553
Name	OJ990401_12.9819.C18.o1.gp	Method	AAT/GAP
Start	256	End	553
GI	5816516	Score	371
Exons	256..553		
GI Descrip.	6006895/gb|AAF00670.1|AC008153_22 3.0e-20 (AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6563	Seq. ID	OJ990401_12.9819.C19
Gene No.	13828	Strand	+
Start	535	End	715
Name	OJ990401_12.9819.C19.o1.gs	Method	GENSCAN
Start	535	End	715
GI	none	Score	.84
Exons	535..615, 638..715		

Seq. No.	6564	Seq. ID	OJ990401_12.9819.C21
Gene No.	13829	Strand	-
Start	40	End	506
Name	OJ990401_12.9819.C21.o1.np	Method	AAT/NAP
Start	40	End	506
GI	5852182	Score	395
Exons	40..506		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6564	Seq. ID	OJ990401_12.9819.C21
Gene No.	13829	Strand	-
Start	40	End	506
Name	OJ990401_12.9819.C21.o1.gs	Method	GENSCAN
Start	86	End	132
GI	none	Score	.5
Exons	86..132		

Seq. No.	6565	Seq. ID	OJ990401_12.9819.C22
Gene No.	13830	Strand	-
Start	183	End	275
Name	OJ990401_12.9819.C22.o1.gs	Method	GENSCAN
Start	183	End	275
GI	none	Score	.67
Exons	183..275		

Seq. No.	6565	Seq. ID	OJ990401_12.9819.C22
Gene No.	13831	Strand	-
Start	341	End	804
Name	OJ990401_12.9819.C22.o1.np	Method	AAT/NAP
Start	341	End	729
GI	2462640	Score	434
Exons	341..729		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	6565	Seq. ID	OJ990401_12.9819.C22
Gene No.	13831	Strand	-

Start	341	End	804
Name	OJ990401_12.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	398	End	804
GI	none	Score	142
Exons	398..532, 592..804		

Seq. No.	6566	Seq. ID	OJ990401_12.9819.C23
Gene No.	13832	Strand	+
Start	126	End	891
Name	OJ990401_12.9819.C23.o2.np	Method	AAT/NAP
Start	126	End	891
GI	626375	Score	103
Exons	126..214, 644..891		
GI Descrip.	probable membrane protein YIL100c-a - yeast (Saccharomyces cerevisiae) gi|558706|emb|CAA86280| (Z38125) orf, len: 112, CAI: 0.07, overlapped by orf 36949..36826 qv [Saccharomyces cerevisiae]		

Seq. No.	6566	Seq. ID	OJ990401_12.9819.C23
Gene No.	13833	Strand	+
Start	847	End	966
Name	OJ990401_12.9819.C23.o1.gp	Method	AAT/GAP
Start	847	End	966
GI	LIB3477-003-P1-K1-E9	Score	180
Exons	847..966		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6567	Seq. ID	OJ990401_12.9819.C25
Gene No.	13834	Strand	-
Start	1	End	809
Name	OJ990401_12.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	809
GI	4680183	Score	931
Exons	1..809		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6567	Seq. ID	OJ990401_12.9819.C25
Gene No.	13834	Strand	-
Start	1	End	809
Name	OJ990401_12.9819.C25.o1.tw	Method	TBLASTX:Wheat
Start	81	End	494
GI	none	Score	46
Exons	81..302, 327..494		

Seq. No.	6567	Seq. ID	OJ990401_12.9819.C25
Gene No.	13834	Strand	-
Start	1	End	809
Name	OJ990401_12.9819.C25.o1.gs	Method	GENSCAN
Start	107	End	739
GI	none	Score	.51
Exons	107..739		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13835	Strand	+
Start	1	End	3682

Name	OJ990401_12.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	3682
GI	4522005	Score	1361
Exons	1..2351, 2406..3411, 3444..3682		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13835	Strand	+
Start	1	End	3682
Name	OJ990401_12.9819.C26.o1.gs	Method	GENSCAN
Start	714	End	3514
GI	none	Score	.55
Exons	714..1022, 1100..1271, 2031..2144, 2292..2960, 3174..3514		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13836	Strand	+
Start	9365	End	9454
Name	OJ990401_12.9819.C26.o4.np	Method	AAT/NAP
Start	9365	End	9454
GI	4680183	Score	142
Exons	9365..9454		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13837	Strand	-
Start	4300	End	9332
Name	OJ990401_12.9819.C26.o2.gs	Method	GENSCAN
Start	4300	End	9332
GI	none	Score	.56
Exons	4300..4405, 4923..5137, 5249..5573, 6998..7090, 7935..8142, 9119..9332		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13837	Strand	-
Start	4300	End	9332
Name	OJ990401_12.9819.C26.o2.np	Method	AAT/NAP
Start	7156	End	7544
GI	2462640	Score	434
Exons	7156..7544		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13837	Strand	-
Start	4300	End	9332
Name	OJ990401_12.9819.C26.o3.np	Method	AAT/NAP
Start	7270	End	9332
GI	6721561	Score	84
Exons	7270..7342, 9246..9332		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13837	Strand	-

Start	4300	End	9332
Name	OJ990401_12.9819.C26.o1.gp	Method	AAT/GAP
Start	8646	End	8738
GI	uC-osf1cyp088b12b1	Score	142
Exons	8646..8738		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o4.tw	Method	TBLASTX:Wheat
Start	455	End	8473
GI	none	Score	56
Exons	455..556, 8204..8260, 8300..8473, 8301..8444		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o3.tm	Method	TBLASTX:Maize
Start	1398	End	7508
GI	none	Score	102
Exons	1398..1559, 1566..1832, 1890..1967, 5297..5578, 7144..7341, 7338..7508		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	1442	End	7296
GI	none	Score	253
Exons	1442..1663, 1443..1661, 1453..1674, 1501..1662, 1649..1771, 1649..1822, 1656..1838, 7144..7296		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	2105	End	5356
GI	none	Score	108
Exons	2105..2305, 2200..2253, 2309..2524, 2332..2451, 4895..5032, 4968..5033, 5108..5221, 5121..5207, 5219..5356		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o2.tw	Method	TBLASTX:Wheat
Start	2110	End	5219
GI	none	Score	351
Exons	2110..2496, 2132..2497, 4928..5086, 4944..5030, 5084..5215, 5133..5219		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	2375	End	5285

GI	none	Score	77
Exons	2375..2491, 4802..4897, 4913..5125, 4923..5129, 5132..5284, 5133..5285		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o3.tw	Method	TBLASTX:Wheat
Start	2978	End	3382
GI	none	Score	256
Exons	2978..3382, 2983..3063		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o2.tm	Method	TBLASTX:Maize
Start	4150	End	4473
GI	none	Score	76
Exons	4150..4473, 4372..4473		

Seq. No.	6568	Seq. ID	OJ990401_12.9819.C26
Gene No.	13838	Strand	-
Start	9832	End	9951
Name	OJ990401_12.9819.C26.o3.gs	Method	GENSCAN
Start	9832	End	9951
GI	none	Score	.99
Exons	9832..9951		

Seq. No.	6569	Seq. ID	OJ990401_12.9819.C27
Gene No.	13839	Strand	+
Start	309	End	719
Name	OJ990401_12.9819.C27.o1.gs	Method	GENSCAN
Start	309	End	719
GI	none	Score	.43
Exons	309..427, 698..719		

Seq. No.	6569	Seq. ID	OJ990401_12.9819.C27
Gene No.	13840	Strand	-
Start	2099	End	4342
Name	OJ990401_12.9819.C27.o2.gs	Method	GENSCAN
Start	2099	End	4342
GI	none	Score	.76
Exons	2099..2736, 3115..3271, 3313..3419, 3909..4069, 4218..4342		

Seq. No.	6570	Seq. ID	OJ990401_12.9819.C28
Gene No.	13841	Strand	+
Start	1	End	2668
Name	OJ990401_12.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	2668
GI	6742729	Score	492
Exons	1..30, 553..1716, 2643..2668		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6570	Seq. ID	OJ990401_12.9819.C28
Gene No.	13842	Strand	-
Start	108	End	400
Name	OJ990401_12.9819.C28.o1.gs	Method	GENSCAN

Start	108	End	400
GI	none	Score	.43
Exons	108..400		

Seq. No.	6570	Seq. ID	OJ990401_12.9819.C28
Gene No.	13843	Strand	
Start	1182	End	1608
Name	OJ990401_12.9819.C28.o1.tw	Method	TBLASTX:Wheat
Start	1182	End	1608
GI	none	Score	257
Exons	1182..1283, 1183..1509, 1324..1497, 1326..1538, 1551..1607, 1552..1608		

Seq. No.	6570	Seq. ID	OJ990401_12.9819.C28
Gene No.	13843	Strand	
Start	1182	End	1608
Name	OJ990401_12.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	1188	End	1461
GI	none	Score	189
Exons	1188..1442, 1234..1461		

Seq. No.	6571	Seq. ID	OJ990401_12.9819.C29
Gene No.	13844	Strand	
Start	314	End	709
Name	OJ990401_12.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	314	End	709
GI	none	Score	51
Exons	314..430, 324..425, 440..499, 491..709, 494..643, 519..659		

Seq. No.	6571	Seq. ID	OJ990401_12.9819.C29
Gene No.	13844	Strand	
Start	314	End	709
Name	OJ990401_12.9819.C29.o1.tw	Method	TBLASTX:Wheat
Start	371	End	665
GI	none	Score	100
Exons	371..643, 371..655, 408..665		

Seq. No.	6572	Seq. ID	OJ990401_12.9819.C30
Gene No.	13845	Strand	+
Start	821	End	1648
Name	OJ990401_12.9819.C30.o1.np	Method	AAT/NAP
Start	821	End	1648
GI	2583130	Score	286
Exons	821..1648		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	6572	Seq. ID	OJ990401_12.9819.C30
Gene No.	13846	Strand	-
Start	1457	End	1570
Name	OJ990401_12.9819.C30.o2.gs	Method	GENSCAN
Start	1457	End	1570
GI	none	Score	.98
Exons	1457..1570		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+

Start	49	End	754
Name	OJ990401_12.9819.C31.o1.np	Method	AAT/NAP
Start	49	End	703
GI	4140712	Score	977
Exons	49..703		
GI Descrip.	(AF110183) putative integrase [Oryza sativa]		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+
Start	49	End	754
Name	OJ990401_12.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	100	End	481
GI	none	Score	166
Exons	100..477, 130..477, 131..481		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+
Start	49	End	754
Name	OJ990401_12.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	188	End	505
GI	none	Score	94
Exons	188..361, 209..361, 362..505, 364..489		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+
Start	49	End	754
Name	OJ990401_12.9819.C31.o1.gs	Method	GENSCAN
Start	254	End	645
GI	none	Score	.41
Exons	254..645		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+
Start	49	End	754
Name	OJ990401_12.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	274	End	529
GI	none	Score	289
Exons	274..528, 281..529, 401..529		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+
Start	49	End	754
Name	OJ990401_12.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	288	End	549
GI	none	Score	103
Exons	288..452, 289..549, 290..547		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+
Start	49	End	754
Name	OJ990401_12.9819.C31.o2.tw	Method	TBLASTX:Wheat
Start	487	End	754
GI	none	Score	230
Exons	487..630, 488..754, 488..754		

Seq. No.	6573	Seq. ID	OJ990401_12.9819.C31
Gene No.	13847	Strand	+

Start	49	End	754
Name	OJ990401_12.9819.C31.o2.tm	Method	TBLASTX:Maize
Start	551	End	754
GI	none	Score	200
Exons	551..754, 551..628, 583..753		

Seq. No.	6574	Seq. ID	OJ990401_12.9819.C32
Gene No.	13848	Strand	+
Start	377	End	755
Name	OJ990401_12.9819.C32.o1.gp	Method	AAT/GAP
Start	377	End	755
GI	uC-osflcyp033a04b1	Score	636
Exons	377..755		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6574	Seq. ID	OJ990401_12.9819.C32
Gene No.	13849	Strand	-
Start	1	End	755
Name	OJ990401_12.9819.C32.o2.np	Method	AAT/NAP
Start	1	End	755
GI	5852180	Score	54
Exons	1..95, 608..755		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6574	Seq. ID	OJ990401_12.9819.C32
Gene No.	13849	Strand	-
Start	1	End	755
Name	OJ990401_12.9819.C32.o1.np	Method	AAT/NAP
Start	310	End	755
GI	4680186	Score	205
Exons	310..510, 730..755		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6575	Seq. ID	OJ990401_12.9819.C33
Gene No.	13850	Strand	+
Start	433	End	6897
Name	OJ990401_12.9819.C33.o1.gs	Method	GENSCAN
Start	433	End	6897
GI	none	Score	.72
Exons	433..524, 1041..1157, 2967..3120, 3352..3411, 6097..6187, 6792..6897		

Seq. No.	6576	Seq. ID	OJ990401_12.9819.C34
Gene No.	13851	Strand	+
Start	1	End	4870
Name	OJ990401_12.9819.C34.o1.np	Method	AAT/NAP
Start	1	End	4870
GI	5852180	Score	434
Exons	1..118, 3027..3084, 4063..4181, 4233..4654, 4836..4870		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	6576	Seq. ID	OJ990401_12.9819.C34
Gene No.	13852	Strand	-
Start	2933	End	3314
Name	OJ990401_12.9819.C34.o1.gp	Method	AAT/GAP
Start	2933	End	3314

GI	uC-osflcyp033a04b1	Score	667
Exons	2933..3314		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6576	Seq. ID	OJ990401_12.9819.C34
Gene No.	13853	Strand	-
Start	3742	End	4565
Name	OJ990401_12.9819.C34.o2.gs	Method	GENSCAN
Start	3742	End	4565
GI	none	Score	.73
Exons	3742..3827, 4122..4191, 4387..4565		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13854	Strand	+
Start	8866	End	9179
Name	OJ990401_12.9819.C35.o1.gp	Method	AAT/GAP
Start	8866	End	9179
GI	5816516	Score	365
Exons	8866..9179		
GI Descrip.	6006895/gb|AAF00670.1|AC008153_22 3.0e-20 (AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13855	Strand	+
Start	12235	End	15887
Name	OJ990401_12.9819.C35.o2.gs	Method	GENSCAN
Start	12235	End	15887
GI	none	Score	.49
Exons	12235..12591, 12737..12987, 12992..13092, 15658..15887		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13856	Strand	+
Start	16098	End	22657
Name	OJ990401_12.9819.C35.o3.gs	Method	GENSCAN
Start	16098	End	17049
GI	none	Score	.73
Exons	16098..16311, 16796..17049		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13856	Strand	+
Start	16098	End	22657
Name	OJ990401_12.9819.C35.o2.np	Method	AAT/NAP
Start	16748	End	22654
GI	5902444	Score	3838
Exons	16748..17095, 20095..22654		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13856	Strand	+
Start	16098	End	22657
Name	OJ990401_12.9819.C35.o5.gs	Method	GENSCAN
Start	19294	End	22657
GI	none	Score	.43
Exons	19294..19431, 20265..20459, 20513..20831, 20994..21334, 21344..21499, 21535..22183, 22236..22657		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13856	Strand	+
Start	16098	End	22657
Name	OJ990401_12.9819.C35.o5.gp	Method	AAT/GAP
Start	19815	End	20089
GI	61605_1.R1084	Score	477
Exons	19815..20089		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13857	Strand	+
Start	22721	End	23129
Name	OJ990401_12.9819.C35.o3.np	Method	AAT/NAP
Start	22721	End	23129
GI	5902445	Score	621
Exons	22721..23129		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13858	Strand	-
Start	1	End	22553
Name	OJ990401_12.9819.C35.o1.np	Method	AAT/NAP
Start	1	End	22553
GI	6523547	Score	113
Exons	1..375, 12154..12181, 12799..13168, 19237..19313, 20436..20508, 22522..22553		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13858	Strand	-
Start	1	End	22553
Name	OJ990401_12.9819.C35.o2.tm	Method	TBLASTX:Maize
Start	6013	End	15604
GI	none	Score	34
Exons	6013..6033, 6096..6275, 6100..6276, 6113..6280, 6278..6352, 6281..6472, 6316..6354, 6400..6468, 15280..15393, 15497..15604		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13858	Strand	-
Start	1	End	22553
Name	OJ990401_12.9819.C35.o3.gp	Method	AAT/GAP
Start	15471	End	15619
GI	uC-osflcyp001c04b2	Score	226
Exons	15471..15619		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13858	Strand	-
Start	1	End	22553
Name	OJ990401_12.9819.C35.o4.gp	Method	AAT/GAP
Start	19226	End	20092
GI	4107138	Score	1169
Exons	19226..20092		

GI Descrip. 5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13858	Strand	-
Start	1	End	22553
Name	OJ990401_12.9819.C35.o3.tw	Method	TBLASTX:Wheat
Start	21058	End	21451
GI	none	Score	257
Exons	21058..21120, 21059..21451		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13858	Strand	-
Start	1	End	22553
Name	OJ990401_12.9819.C35.o2.tw	Method	TBLASTX:Wheat
Start	22036	End	22423
GI	none	Score	178
Exons	22036..22302, 22179..22316, 22301..22423, 22312..22407		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13859	Strand	
Start	22666	End	23113
Name	OJ990401_12.9819.C35.o1.tw	Method	TBLASTX:Wheat
Start	22666	End	23092
GI	none	Score	466
Exons	22666..23070, 22667..23092, 22694..23092		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13859	Strand	
Start	22666	End	23113
Name	OJ990401_12.9819.C35.o1.ts	Method	TBLASTX:Soybean
Start	22706	End	23071
GI	none	Score	129
Exons	22706..22930, 22937..23071		

Seq. No.	6577	Seq. ID	OJ990401_12.9819.C35
Gene No.	13859	Strand	
Start	22666	End	23113
Name	OJ990401_12.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	22796	End	23113
GI	none	Score	312
Exons	22796..23113, 22837..23103		

Seq. No.	6578	Seq. ID	OJ990401_12.9819.C36
Gene No.	13860	Strand	+
Start	97	End	703
Name	OJ990401_12.9819.C36.o1.gs	Method	GENSCAN
Start	97	End	703
GI	none	Score	.46
Exons	97..703		

Seq. No.	6579	Seq. ID	OJ990401_12.9819.C37
Gene No.	13861	Strand	+
Start	208	End	280
Name	OJ990401_12.9819.C37.o1.gs	Method	GENSCAN
Start	208	End	280
GI	none	Score	.64

Exons	208..280		
Seq. No.	6580	Seq. ID	OJ990401_12.9819.C38
Gene No.	13862	Strand	+
Start	208	End	505
Name	OJ990401_12.9819.C38.o2.gp	Method	AAT/GAP
Start	208	End	505
GI	5816516	Score	359
Exons	208..505		
GI Descrip.	6006895/gb|AAF00670.1|AC008153_22 3.0e-20 (AC008153) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6581	Seq. ID	OJ990301_05.9819.C1
Gene No.	13863	Strand	+
Start	420	End	758
Name	OJ990301_05.9819.C1.o1.gs	Method	GENSCAN
Start	420	End	662
GI	none	Score	.56
Exons	420..662		
Seq. No.	6581	Seq. ID	OJ990301_05.9819.C1
Gene No.	13863	Strand	+
Start	420	End	758
Name	OJ990301_05.9819.C1.o1.np	Method	AAT/NAP
Start	465	End	758
GI	6721559	Score	137
Exons	465..758		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	6582	Seq. ID	OJ990301_05.9819.C2
Gene No.	13864	Strand	+
Start	424	End	3029
Name	OJ990301_05.9819.C2.o1.gs	Method	GENSCAN
Start	424	End	3029
GI	none	Score	.47
Exons	424..476, 484..688, 2171..2892, 2960..3029		
Seq. No.	6582	Seq. ID	OJ990301_05.9819.C2
Gene No.	13864	Strand	+
Start	424	End	3029
Name	OJ990301_05.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	2171	End	2629
GI	none	Score	92
Exons	2171..2443, 2438..2629, 2450..2629		
Seq. No.	6583	Seq. ID	OJ990301_05.9819.C3
Gene No.	13865	Strand	-
Start	2285	End	4426
Name	OJ990301_05.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	2256	End	3615
GI	none	Score	116
Exons	2256..2372, 2288..2371, 2289..2372, 3237..3332, 3253..3330, 3357..3422, 3364..3423, 3542..3613, 3561..3614, 3562..3615		
Seq. No.	6583	Seq. ID	OJ990301_05.9819.C3

Gene No.	13865	Strand	-
Start	2285	End	4426
Name	OJ990301_05.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	2270	End	3665
GI	none	Score	104
Exons	2270..2371, 2286..2372, 2301..2372, 3237..3422, 3241..3426, 3242..3430, 3249..3428, 3558..3626, 3560..3625, 3561..3665		

Seq. No.	6583	Seq. ID	OJ990301_05.9819.C3
Gene No.	13865	Strand	-
Start	2285	End	4426
Name	OJ990301_05.9819.C3.o1.np	Method	AAT/NAP
Start	2285	End	4426
GI	4406770	Score	354
Exons	2285..2369, 3238..3423, 3556..3624, 4301..4426		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		

Seq. No.	6583	Seq. ID	OJ990301_05.9819.C3
Gene No.	13865	Strand	-
Start	2285	End	4426
Name	OJ990301_05.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	2309	End	3623
GI	none	Score	194
Exons	2309..2371, 3237..3422, 3244..3423, 3371..3424, 3555..3623, 3558..3623		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13866	Strand	+
Start	5811	End	19080
Name	OJ990301_05.9819.C4.o3.gs	Method	GENSCAN
Start	5811	End	19080
GI	none	Score	.44
Exons	5811..5887, 8576..8717, 9339..9389, 9528..9664, 11029..11110, 11689..11754, 13973..14053, 14184..14231, 15345..15395, 15468..15536, 16734..16844, 18628..18828, 18830..18919, 19003..19080		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13866	Strand	+
Start	5811	End	19080
Name	OJ990301_05.9819.C4.o2.np	Method	AAT/NAP
Start	8190	End	8607
GI	81286	Score	64
Exons	8190..8607		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13866	Strand	+
Start	5811	End	19080
Name	OJ990301_05.9819.C4.o3.np	Method	AAT/NAP
Start	8556	End	18894
GI	3152596	Score	740
Exons	8556..8711, 9339..9502, 9566..9692, 9950..10127, 11689..11754, 11983..12021, 14184..14228, 15280..15395, 15468..15536, 16734..16970, 18643..18894		
GI Descrip.	(AC002986) YUP8H12R.36 [Arabidopsis thaliana]		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13867	Strand	+
Start	22337	End	25567
Name	OJ990301_05.9819.C4.o4.np	Method	AAT/NAP
Start	22337	End	25567
GI	6907089	Score	3978
Exons	22337..23598, 23692..25567		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13868	Strand	-
Start	429	End	2613
Name	OJ990301_05.9819.C4.o1.np	Method	AAT/NAP
Start	429	End	2613
GI	4406770	Score	533
Exons	429..485, 1326..1389, 1505..1837, 1908..2067, 2542..2613		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13868	Strand	-
Start	429	End	2613
Name	OJ990301_05.9819.C4.o1.gs	Method	GENSCAN
Start	433	End	2009
GI	none	Score	.83
Exons	433..485, 1326..1389, 1505..1837, 1908..2009		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13868	Strand	-
Start	429	End	2613
Name	OJ990301_05.9819.C4.o1.gp	Method	AAT/GAP
Start	1644	End	2097
GI	58415_1.R1084	Score	699
Exons	1644..1837, 1908..2097		
GI Descrip.	'4406770/gb|AAD20081| 3.0e-17 (AC006836) unknown protein [Arabidopsis thaliana]'		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13869	Strand	-
Start	20714	End	21194
Name	OJ990301_05.9819.C4.o4.gs	Method	GENSCAN
Start	20714	End	21194
GI	none	Score	.48
Exons	20714..20838, 21071..21194		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	430	End	1947
GI	none	Score	55
Exons	430..489, 1321..1392, 1324..1401, 1500..1625, 1502..1618, 1607..1801, 1608..1790, 1909..1947, 1920..1940		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484

Name	OJ990301_05.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	430	End	1947
GI	none	Score	92
Exons	430..489, 1324..1392, 1325..1387, 1500..1628, 1502..1624, 1607..1804, 1608..1805, 1900..1947, 1920..1940		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	436	End	1950
GI	none	Score	79
Exons	436..489, 1321..1392, 1322..1390, 1500..1625, 1502..1624, 1607..1807, 1608..1811, 1918..1950, 1920..1940		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	26173	End	26343
GI	none	Score	125
Exons	26173..26343, 26174..26338		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o5.np	Method	AAT/NAP
Start	26203	End	31484
GI	6498441	Score	5898
Exons	26203..26484, 26578..27975, 28147..28631, 28824..29062, 29237..29371, 29555..29928, 29992..30455, 30786..31484		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o6.tw	Method	TBLASTX:Wheat
Start	26212	End	26814
GI	none	Score	83
Exons	26212..26337, 26216..26338, 26530..26814, 26531..26809		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o4.tw	Method	TBLASTX:Wheat
Start	26815	End	27196
GI	none	Score	153
Exons	26815..27195, 26846..27094, 27140..27196		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	27010	End	27333
GI	none	Score	177

Exons	27010..27333, 27023..27304		
Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o7.tw	Method	TBLASTX:Wheat
Start	27526	End	27838
GI	none	Score	62
Exons	27526..27786, 27637..27825, 27662..27838		
Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	27586	End	28152
GI	5666795	Score	68
Exons	27586..27786, 27841..27978, 28054..28152		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o5.tw	Method	TBLASTX:Wheat
Start	27841	End	28299
GI	none	Score	87
Exons	27841..27990, 27842..27979, 27844..27981, 28037..28210, 28051..28299, 28051..28275		
Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	28900	End	29271
GI	none	Score	90
Exons	28900..29271, 29111..29254		
Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	28925	End	29349
GI	none	Score	330
Exons	28925..29344, 28930..29349		
Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	29023	End	29407
GI	none	Score	206
Exons	29023..29406, 29042..29407		
Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	29434	End	29790

GI	none	Score	105
Exons	29434..29703, 29434..29790, 29444..29755		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	29458	End	29920
GI	none	Score	401
Exons	29458..29919, 29459..29920		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	29515	End	29880
GI	none	Score	117
Exons	29515..29649, 29656..29880		

Seq. No.	6584	Seq. ID	OJ990301_05.9819.C4
Gene No.	13870	Strand	-
Start	26203	End	31484
Name	OJ990301_05.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	30085	End	30571
GI	none	Score	172
Exons	30085..30570, 30089..30376, 30398..30571		

Seq. No.	6585	Seq. ID	OJ990301_05.9819.C5
Gene No.	13871	Strand	+
Start	213	End	653
Name	OJ990301_05.9819.C5.o1.gs	Method	GENSCAN
Start	213	End	653
GI	none	Score	.59
Exons	213..218, 594..653		

Seq. No.	6586	Seq. ID	OJ990301_05.9819.C7
Gene No.	13872	Strand	+
Start	1	End	382
Name	OJ990301_05.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	382
GI	5803259	Score	320
Exons	1..382		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	6587	Seq. ID	OJ990301_05.9819.C9
Gene No.	13873	Strand	-
Start	46	End	2510
Name	OJ990301_05.9819.C9.o1.np	Method	AAT/NAP
Start	46	End	2510
GI	4406770	Score	297
Exons	46..130, 318..503, 636..704, 1381..1442, 1714..1773, 2451..2510		
GI Descrip.	(AC006836) unknown protein [Arabidopsis thaliana]		

Seq. No.	6587	Seq. ID	OJ990301_05.9819.C9
Gene No.	13873	Strand	-
Start	46	End	2510
Name	OJ990301_05.9819.C9.o1.tc	Method	TBLASTX:Cress

Start	317	End	1783
GI	none	Score	70
Exons	317..412, 333..410, 437..502, 444..503, 622..693, 641..694, 642..695, 1709..1783, 1711..1770		

Seq. No.	6587	Seq. ID	OJ990301_05.9819.C9
Gene No.	13873	Strand	-
Start	46	End	2510
Name	OJ990301_05.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	317	End	1770
GI	none	Score	194
Exons	317..502, 324..503, 451..504, 635..703, 638..703, 1717..1770		

Seq. No.	6587	Seq. ID	OJ990301_05.9819.C9
Gene No.	13873	Strand	-
Start	46	End	2510
Name	OJ990301_05.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	317	End	1770
GI	none	Score	220
Exons	317..502, 321..506, 322..510, 329..508, 638..706, 640..705, 641..745, 1711..1770, 1712..1768		

Seq. No.	6587	Seq. ID	OJ990301_05.9819.C9
Gene No.	13873	Strand	-
Start	46	End	2510
Name	OJ990301_05.9819.C9.o1.gs	Method	GENSCAN
Start	318	End	2397
GI	none	Score	.72
Exons	318..503, 636..704, 1387..1442, 1714..1766, 2251..2397		

Seq. No.	6588	Seq. ID	OJ990301_05.9819.C10
Gene No.	13874	Strand	+
Start	1765	End	6219
Name	OJ990301_05.9819.C10.o1.gs	Method	GENSCAN
Start	1765	End	6219
GI	none	Score	.53
Exons	1765..1954, 2104..2360, 2664..2777, 2856..3053, 3130..3228, 3321..3408, 3524..3622, 3704..3772, 3856..4025, 4104..4538, 4621..4751, 5921..6219		

Seq. No.	6588	Seq. ID	OJ990301_05.9819.C10
Gene No.	13875	Strand	-
Start	1281	End	1410
Name	OJ990301_05.9819.C10.o1.gp	Method	AAT/GAP
Start	1281	End	1410
GI	uC-osflcyp013a06b1	Score	167
Exons	1281..1410		
GI Descrip.	'4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	6589	Seq. ID	OJ990301_05.9819.C11
Gene No.	13876	Strand	+
Start	1	End	614
Name	OJ990301_05.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	614
GI	4680341	Score	233
Exons	1..614		

GI Descrip. (AF128457) hypothetical protein [Oryza sativa subsp. indica]

Seq. No.	6589	Seq. ID	OJ990301_05.9819.C11
Gene No.	13877	Strand	-
Start	2370	End	3856
Name	OJ990301_05.9819.C11.o2.np	Method	AAT/NAP
Start	2370	End	3856
GI	6721512	Score	83
Exons	2370..2457, 3765..3856		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13878	Strand	+
Start	326	End	683
Name	OJ990301_05.9819.C12.o1.gs	Method	GENSCAN
Start	326	End	683
GI	none	Score	.63
Exons	326..683		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13879	Strand	+
Start	13386	End	13673
Name	OJ990301_05.9819.C12.o3.gs	Method	GENSCAN
Start	13386	End	13673
GI	none	Score	.96
Exons	13386..13673		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13880	Strand	+
Start	16804	End	21541
Name	OJ990301_05.9819.C12.o3.gp	Method	AAT/GAP
Start	16747	End	18232
GI	2796844	Score	275
Exons	16747..16817, 18098..18232		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13880	Strand	+
Start	16804	End	21541
Name	OJ990301_05.9819.C12.o5.gs	Method	GENSCAN
Start	16804	End	18496
GI	none	Score	.95
Exons	16804..16817, 18098..18259, 18388..18496		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13880	Strand	+
Start	16804	End	21541
Name	OJ990301_05.9819.C12.o2.np	Method	AAT/NAP
Start	18159	End	21541
GI	5091536	Score	71
Exons	18159..18259, 18388..18487, 21470..21541		

GI Descrip. (AC007067) T10O24.5 [Arabidopsis thaliana]

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13880	Strand	+
Start	16804	End	21541
Name	OJ990301_05.9819.C12.o6.gs	Method	GENSCAN
Start	20160	End	20907

GI	none	Score	.82
Exons	20160..20318, 20734..20907		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13881	Strand	-
Start	1330	End	12381
Name	OJ990301_05.9819.C12.o1.np	Method	AAT/NAP
Start	1330	End	9193
GI	2586082	Score	4601
Exons	1330..2587, 6101..6455, 6527..9193		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13881	Strand	-
Start	1330	End	12381
Name	OJ990301_05.9819.C12.o1.gp	Method	AAT/GAP
Start	2746	End	2854
GI	uC-osf1cyp088b12b1	Score	152
Exons	2746..2854		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13881	Strand	-
Start	1330	End	12381
Name	OJ990301_05.9819.C12.o2.gs	Method	GENSCAN
Start	2820	End	12381
GI	none	Score	.55
Exons	2820..2879, 4628..5316, 5524..5651, 6145..7054, 8140..8819, 8880..9142, 11185..11305, 11345..11674, 11771..11839, 11883..12065, 12151..12293, 12313..12381		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13881	Strand	-
Start	1330	End	12381
Name	OJ990301_05.9819.C12.o2.gp	Method	AAT/GAP
Start	3978	End	4058
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	3978..4058		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13882	Strand	-
Start	14288	End	15632
Name	OJ990301_05.9819.C12.o4.gs	Method	GENSCAN
Start	14288	End	15632
GI	none	Score	.55
Exons	14288..14373, 14579..14809, 15566..15632		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	1381	End	1952
GI	none	Score	54
Exons	1381..1602, 1390..1518, 1601..1705, 1604..1696, 1701..1952,		

1708..1950

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	1387	End	1812
GI	none	Score	90
Exons	1387..1599, 1405..1557, 1490..1573, 1598..1672, 1701..1811, 1708..1812		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o1.tw	Method	TBLASTX:Wheat
Start	1743	End	2170
GI	none	Score	67
Exons	1743..1952, 1744..1950, 1951..2169, 1952..2170		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	1824	End	2059
GI	none	Score	66
Exons	1824..1943, 1824..1949, 1852..1950, 1927..2040, 1948..2058, 1955..2059		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	2168	End	2560
GI	none	Score	82
Exons	2168..2560, 2391..2540		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o4.tw	Method	TBLASTX:Wheat
Start	2171	End	6198
GI	none	Score	98
Exons	2171..2356, 2348..2551, 2388..2540, 2469..2567, 6097..6198, 6108..6197		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	2258	End	2566
GI	none	Score	59
Exons	2258..2440, 2384..2437, 2462..2566, 2474..2554		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o7.tm	Method	TBLASTX:Maize

Start	6093	End	6338
GI	none	Score	84
Exons	6093..6338, 6109..6327		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o5.ts	Method	TBLASTX:Soybean
Start	6102	End	6326
GI	none	Score	102
Exons	6102..6236, 6109..6237, 6264..6326		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	6996	End	7448
GI	none	Score	83
Exons	6996..7238, 7251..7448, 7294..7428		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o3.tw	Method	TBLASTX:Wheat
Start	6996	End	7337
GI	none	Score	83
Exons	6996..7253, 7000..7140, 7177..7212, 7248..7337		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o4.ts	Method	TBLASTX:Soybean
Start	7014	End	7427
GI	none	Score	128
Exons	7014..7238, 7248..7427		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o5.tm	Method	TBLASTX:Maize
Start	7017	End	7334
GI	none	Score	63
Exons	7017..7238, 7021..7140, 7233..7334		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	7450	End	7861
GI	none	Score	37
Exons	7450..7620, 7476..7604, 7645..7860, 7649..7861		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	7970	End	8284

GI	none	Score	146
Exons	7970..8092, 8090..8284, 8093..8266		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o6.tm	Method	TBLASTX:Maize
Start	8138	End	8380
GI	none	Score	88
Exons	8138..8260, 8139..8276, 8291..8377, 8306..8380		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	8709	End	9115
GI	none	Score	43
Exons	8709..8774, 8711..8773, 8765..8986, 8766..8987, 9011..9115		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o5.tw	Method	TBLASTX:Wheat
Start	8801	End	9154
GI	none	Score	71
Exons	8801..9154, 8802..9026		

Seq. No.	6590	Seq. ID	OJ990301_05.9819.C12
Gene No.	13883	Strand	-
Start	18496	End	21541
Name	OJ990301_05.9819.C12.o3.np	Method	AAT/NAP
Start	18496	End	21541
GI	6069646	Score	103
Exons	18496..18514, 20846..21199, 21498..21541		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o3.np	Method	AAT/NAP
Start	1	End	5514
GI	4417309	Score	353
Exons	1..25, 2860..3239, 3423..3709, 3865..4324, 5402..5514		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o1.gs	Method	GENSCAN
Start	753	End	15168
GI	none	Score	.48
Exons	753..1467, 1569..1609, 1859..2781, 2888..3160, 3236..3377,		

3500..3699, 4019..5454, 5587..5911, 7929..8115, 8169..8413, 9520..9545, 9923..10098, 10301..10575, 14434..14567, 15056..15168

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o3.tm	Method	TBLASTX:Maize
Start	756	End	995
GI	none	Score	97
Exons	756..866, 864..932, 918..995		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o2.ts	Method	TBLASTX:Soybean
Start	768	End	1013
GI	none	Score	48
Exons	768..1013, 772..813, 883..969		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o1.np	Method	AAT/NAP
Start	774	End	2617
GI	4544372	Score	632
Exons	774..2617		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o3.tw	Method	TBLASTX:Wheat
Start	789	End	1205
GI	none	Score	90
Exons	789..1013, 1065..1205		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o2.np	Method	AAT/NAP
Start	982	End	4640
GI	4417309	Score	341
Exons	982..1034, 2841..3239, 3423..3709, 3865..4280, 4467..4640		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o4.tm	Method	TBLASTX:Maize
Start	1628	End	1981
GI	none	Score	185
Exons	1628..1981		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13

Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o2.tw	Method	TBLASTX:Wheat
Start	2360	End	2722
GI	none	Score	190
Exons	2360..2722		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o1.ts	Method	TBLASTX:Soybean
Start	2495	End	2851
GI	none	Score	75
Exons	2495..2737, 2499..2612, 2649..2738, 2768..2851		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	2890	End	3299
GI	none	Score	57
Exons	2890..3291, 2891..2962, 2892..3299, 2943..3173, 2959..3282		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	2977	End	3239
GI	none	Score	282
Exons	2977..3237, 2979..3239		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o3.ts	Method	TBLASTX:Soybean
Start	3093	End	3461
GI	none	Score	144
Exons	3093..3227, 3243..3461		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o4.ts	Method	TBLASTX:Soybean
Start	3942	End	4304
GI	none	Score	193
Exons	3942..4304		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-
Start	1	End	15168
Name	OJ990301_05.9819.C13.o2.tm	Method	TBLASTX:Maize
Start	5445	End	5813
GI	none	Score	51
Exons	5445..5663, 5542..5658, 5688..5813, 5689..5796		

Seq. No.	6591	Seq. ID	OJ990301_05.9819.C13
Gene No.	13884	Strand	-

Start	1	End	15168
Name	OJ990301_05.9819.C13.o4.np	Method	AAT/NAP
Start	6825	End	8451
GI	6063554	Score	166
Exons	6825..6996, 8052..8115, 8214..8451		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13885	Strand	+
Start	3117	End	5666
Name	OJ990301_05.9819.C14.o2.np	Method	AAT/NAP
Start	3117	End	5666
GI	4539658	Score	215
Exons	3117..3139, 3844..3969, 4134..4311, 5636..5666		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13885	Strand	+
Start	3117	End	5666
Name	OJ990301_05.9819.C14.o1.gp	Method	AAT/GAP
Start	3415	End	3964
GI	LIB3475-004-P1-K2-A5	Score	403
Exons	3415..3440, 3703..3964		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13885	Strand	+
Start	3117	End	5666
Name	OJ990301_05.9819.C14.o1.np	Method	AAT/NAP
Start	3843	End	5666
GI	4539658	Score	215
Exons	3843..3969, 4134..4311, 5636..5666		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13885	Strand	+
Start	3117	End	5666
Name	OJ990301_05.9819.C14.o2.gp	Method	AAT/GAP
Start	4322	End	4572
GI	LIB3475-004-P1-K2-A5	Score	421
Exons	4322..4572		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13885	Strand	+
Start	3117	End	5666
Name	OJ990301_05.9819.C14.o3.np	Method	AAT/NAP
Start	4791	End	5455
GI	4680183	Score	189
Exons	4791..4859, 5364..5455		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13886	Strand	-
Start	2648	End	5333
Name	OJ990301_05.9819.C14.o1.gs	Method	GENSCAN
Start	2648	End	5333
GI	none	Score	.72
Exons	2648..2695, 3473..3716, 4820..4856, 5171..5333		

Seq. No.	6592	Seq. ID	OJ990301_05.9819.C14
Gene No.	13886	Strand	-
Start	2648	End	5333
Name	OJ990301_05.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	3733	End	4597
GI	none	Score	43
Exons	3733..3777, 3746..3778, 3779..3874, 3783..3875, 3847..3984, 3860..3985, 3863..3988, 3873..3989, 4353..4475, 4353..4475, 4354..4482, 4367..4483, 4455..4592, 4468..4593, 4471..4596, 4481..4597		

Seq. No.	6593	Seq. ID	OJ990301_05.9819.C16
Gene No.	13887	Strand	+
Start	151	End	204
Name	OJ990301_05.9819.C16.o1.gs	Method	GENSCAN
Start	151	End	204
GI	none	Score	.77
Exons	151..204		

Seq. No.	6594	Seq. ID	OJ990301_05.9819.C19
Gene No.	13888	Strand	+
Start	241	End	408
Name	OJ990301_05.9819.C19.o1.gs	Method	GENSCAN
Start	241	End	389
GI	none	Score	.69
Exons	241..389		

Seq. No.	6594	Seq. ID	OJ990301_05.9819.C19
Gene No.	13888	Strand	+
Start	241	End	408
Name	OJ990301_05.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	241	End	408
GI	none	Score	209
Exons	241..408, 243..290, 263..400, 345..407		

Seq. No.	6594	Seq. ID	OJ990301_05.9819.C19
Gene No.	13889	Strand	
Start	398	End	667
Name	OJ990301_05.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	398	End	667
GI	none	Score	100
Exons	398..481, 511..600, 512..667		

Seq. No.	6595	Seq. ID	OJ990301_05.9819.C21
Gene No.	13890	Strand	+
Start	281	End	418
Name	OJ990301_05.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	225	End	418

GI	none	Score	114
Exons	225..413, 227..406, 229..414, 233..418		

Seq. No.	6595	Seq. ID	OJ990301_05.9819.C21
Gene No.	13890	Strand	+
Start	281	End	418
Name	OJ990301_05.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	231	End	418
GI	none	Score	239
Exons	231..284, 232..411, 233..418		

Seq. No.	6595	Seq. ID	OJ990301_05.9819.C21
Gene No.	13890	Strand	+
Start	281	End	418
Name	OJ990301_05.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	232	End	418
GI	none	Score	105
Exons	232..291, 233..298, 323..418, 325..402		

Seq. No.	6595	Seq. ID	OJ990301_05.9819.C21
Gene No.	13890	Strand	+
Start	281	End	418
Name	OJ990301_05.9819.C21.o1.gs	Method	GENSCAN
Start	281	End	417
GI	none	Score	.46
Exons	281..417		

Seq. No.	6596	Seq. ID	OJ990301_05.9819.C22
Gene No.	13891	Strand	-
Start	359	End	751
Name	OJ990301_05.9819.C22.o1.gs	Method	GENSCAN
Start	359	End	751
GI	none	Score	.9
Exons	359..451, 749..751		

Seq. No.	6597	Seq. ID	OJ990301_05.9819.C24
Gene No.	13892	Strand	-
Start	22	End	482
Name	OJ990301_05.9819.C24.o1.gs	Method	GENSCAN
Start	22	End	482
GI	none	Score	.79
Exons	22..482		

Seq. No.	6598	Seq. ID	OJ990301_05.9819.C25
Gene No.	13893	Strand	+
Start	744	End	924
Name	OJ990301_05.9819.C25.o1.gs	Method	GENSCAN
Start	744	End	924
GI	none	Score	.93
Exons	744..924		

Seq. No.	6599	Seq. ID	OJ990301_05.9819.C27
Gene No.	13894	Strand	+
Start	772	End	852
Name	OJ990301_05.9819.C27.o1.gs	Method	GENSCAN
Start	772	End	852
GI	none	Score	.76

Exons	772..852		
Seq. No.	6600	Seq. ID	OJ990301_05.9819.C28
Gene No.	13895	Strand	+
Start	1	End	763
Name	OJ990301_05.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	763
GI	5803259	Score	375
Exons	1..763		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	6600	Seq. ID	OJ990301_05.9819.C28
Gene No.	13895	Strand	+
Start	1	End	763
Name	OJ990301_05.9819.C28.o1.gs	Method	GENSCAN
Start	343	End	710
GI	none	Score	.85
Exons	343..710		
Seq. No.	6601	Seq. ID	OJ990301_05.9819.C30
Gene No.	13896	Strand	+
Start	83	End	123
Name	OJ990301_05.9819.C30.o1.gs	Method	GENSCAN
Start	83	End	123
GI	none	Score	.58
Exons	83..123		
Seq. No.	6602	Seq. ID	OJ990301_05.9819.C32
Gene No.	13897	Strand	+
Start	14	End	776
Name	OJ990301_05.9819.C32.o1.np	Method	AAT/NAP
Start	14	End	776
GI	5042454	Score	210
Exons	14..160, 499..776		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	6602	Seq. ID	OJ990301_05.9819.C32
Gene No.	13897	Strand	+
Start	14	End	776
Name	OJ990301_05.9819.C32.o1.gs	Method	GENSCAN
Start	123	End	573
GI	none	Score	.68
Exons	123..160, 450..573		
Seq. No.	6603	Seq. ID	OJ990301_05.9819.C33
Gene No.	13898	Strand	+
Start	459	End	526
Name	OJ990301_05.9819.C33.o1.gp	Method	AAT/GAP
Start	459	End	526
GI	uC-osflcyp088b12b1	Score	93
Exons	459..526		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	6603	Seq. ID	OJ990301_05.9819.C33
Gene No.	13899	Strand	-
Start	26	End	451

Name	OJ990301_05.9819.C33.o1.gs	Method	GENSCAN
Start	26	End	451
GI	none	Score	.45
Exons	26..220, 341..451		

Seq. No.	6604	Seq. ID	OJ990301_05.9819.C35
Gene No.	13900	Strand	+
Start	390	End	729
Name	OJ990301_05.9819.C35.o1.gs	Method	GENSCAN
Start	390	End	684
GI	none	Score	.95
Exons	390..684		

Seq. No.	6604	Seq. ID	OJ990301_05.9819.C35
Gene No.	13900	Strand	+
Start	390	End	729
Name	OJ990301_05.9819.C35.o2.np	Method	AAT/NAP
Start	401	End	729
GI	5902445	Score	321
Exons	401..729		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6604	Seq. ID	OJ990301_05.9819.C35
Gene No.	13901	Strand	-
Start	1	End	729
Name	OJ990301_05.9819.C35.o1.np	Method	AAT/NAP
Start	1	End	729
GI	3152596	Score	57
Exons	1..139, 654..729		
GI Descrip.	(AC002986) YUP8H12R.36 [Arabidopsis thaliana]		

Seq. No.	6604	Seq. ID	OJ990301_05.9819.C35
Gene No.	13901	Strand	-
Start	1	End	729
Name	OJ990301_05.9819.C35.o1.tw	Method	TBLASTX:Wheat
Start	359	End	727
GI	none	Score	77
Exons	359..544, 407..727, 408..719		

Seq. No.	6604	Seq. ID	OJ990301_05.9819.C35
Gene No.	13901	Strand	-
Start	1	End	729
Name	OJ990301_05.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	491	End	727
GI	none	Score	219
Exons	491..727, 492..719		

Seq. No.	6605	Seq. ID	OJ990301_05.9819.C36
Gene No.	13902	Strand	-
Start	104	End	228
Name	OJ990301_05.9819.C36.o1.gs	Method	GENSCAN
Start	104	End	228
GI	none	Score	.64
Exons	104..228		

Seq. No.	6606	Seq. ID	OJ990331_03.9819.C1
Gene No.	13903	Strand	+

Start	1	End	233
Name	OJ990331_03.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	233
GI	4581110	Score	103
Exons	1..233		
GI Descrip.	(AC005825) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	6606	Seq. ID	OJ990331_03.9819.C1
Gene No.	13904	Strand	-
Start	8	End	89
Name	OJ990331_03.9819.C1.o1.gs	Method	GENSCAN
Start	8	End	89
GI	none	Score	.46
Exons	8..89		

Seq. No.	6606	Seq. ID	OJ990331_03.9819.C1
Gene No.	13905	Strand	
Start	2	End	254
Name	OJ990331_03.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	254
GI	none	Score	55
Exons	2..43, 3..41, 29..253, 39..254		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13906	Strand	+
Start	10807	End	13067
Name	OJ990331_03.9819.C2.o2.np	Method	AAT/NAP
Start	10807	End	13067
GI	6063554	Score	453
Exons	10807..11051, 11329..11516, 12084..12112, 12893..13067		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	13856	End	14225
GI	none	Score	148
Exons	13856..13981, 13857..13982, 14007..14225, 14012..14128		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	16189	End	16557
GI	none	Score	139
Exons	16189..16407, 16423..16557		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	16351	End	16759
GI	none	Score	597

Exons	16351..16758, 16368..16700, 16430..16759		
Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	16411	End	16626
GI	none	Score	288
Exons	16411..16626, 16413..16622		
Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	16627	End	17085
GI	none	Score	602
Exons	16627..17085, 16627..17079, 16776..17084		
Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	16774	End	17066
GI	none	Score	204
Exons	16774..17055, 16809..17066		
Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o3.tw	Method	TBLASTX:Wheat
Start	16777	End	17079
GI	none	Score	183
Exons	16777..17079, 16831..16989		
Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	17399	End	17660
GI	none	Score	182
Exons	17399..17506, 17400..17537, 17400..17537, 17574..17660		
Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o4.np	Method	AAT/NAP
Start	18262	End	19429
GI	629693	Score	449
Exons	18262..19429		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		
Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	18312	End	18593

GI	none	Score	224
Exons	18312..18593		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	18946	End	19329
GI	none	Score	199
Exons	18946..19329		

Seq. No.	6607	Seq. ID	OJ990331_03.9819.C2
Gene No.	13907	Strand	+
Start	18262	End	19429
Name	OJ990331_03.9819.C2.o5.ts	Method	TBLASTX:Soybean
Start	19138	End	19370
GI	none	Score	196
Exons	19138..19353, 19188..19268, 19347..19370		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13908	Strand	+
Start	1	End	19313
Name	OJ990331_03.9819.C3.o2.np	Method	AAT/NAP
Start	1	End	19313
GI	927428	Score	128
Exons	1..30, 3507..3663, 10049..10125, 19285..19313		
GI Descrip.	(X86733) fis1 [Linum usitatissimum]		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13908	Strand	+
Start	1	End	19313
Name	OJ990331_03.9819.C3.o3.gs	Method	GENSCAN
Start	12421	End	16000
GI	none	Score	.63
Exons	12421..12434, 12806..12897, 13337..13474, 13940..14448, 14466..14744, 14842..14941, 15129..15350, 15753..16000		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13908	Strand	+
Start	1	End	19313
Name	OJ990331_03.9819.C3.o4.np	Method	AAT/NAP
Start	14347	End	14952
GI	5596481	Score	394
Exons	14347..14744, 14842..14952		
GI Descrip.	(AL096882) putative protein [Arabidopsis thaliana]		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13909	Strand	-
Start	2683	End	3141
Name	OJ990331_03.9819.C3.o1.np	Method	AAT/NAP
Start	2683	End	3141
GI	1172874	Score	127
Exons	2683..2958, 2995..3141		
GI Descrip.	DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR gi|479589|pir||S34823 dehydration-induced protein RD22 - Arabidopsis thaliana gi|391608|dbj|BAA01546| (D10703) rd22 [Arabidopsis thaliana] gi|447134|prf||1913421A rd22 gene		

[Arabidopsis thaliana]

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13910	Strand	-
Start	11847	End	16812
Name	OJ990331_03.9819.C3.o3.np	Method	AAT/NAP
Start	11847	End	16083
GI	6899926	Score	42
Exons	11847..11915, 14092..14249, 16035..16083		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13910	Strand	-
Start	11847	End	16812
Name	OJ990331_03.9819.C3.o5.np	Method	AAT/NAP
Start	15504	End	16812
GI	5777617	Score	103
Exons	15504..15627, 16781..16812		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	2683	End	17991
GI	none	Score	64
Exons	2683..2736, 2687..2737, 2729..2824, 2734..2823, 2820..2873, 2884..2961, 2888..2968, 2988..3047, 3019..3147, 3032..3148, 3044..3211, 3058..3153, 3180..3236, 3238..3291, 3246..3290, 17135..17191, 17135..17191, 17136..17201, 17189..17287, 17190..17288, 17312..17422, 17370..17423, 17486..17524, 17564..17659, 17565..17660, 17681..17719, 17723..17923, 17730..17909, 17947..17991		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o1.tw	Method	TBLASTX:Wheat
Start	3064	End	17885
GI	none	Score	75
Exons	3064..3147, 3175..3291, 17564..17659, 17565..17660, 17681..17794, 17681..17884, 17682..17885		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	14353	End	14627
GI	none	Score	142
Exons	14353..14478, 14367..14462, 14463..14627, 14465..14581		

Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	14356	End	14744
GI	none	Score	87

Exons	14356..14478, 14463..14654, 14465..14575, 14688..14744		
Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	14463	End	14874
GI	none	Score	219
Exons	14463..14717, 14465..14575, 14702..14743, 14703..14744, 14832..14873, 14839..14874		
Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o4.gs	Method	GENSCAN
Start	17114	End	19236
GI	none	Score	.68
Exons	17114..17943, 19188..19236		
Seq. No.	6608	Seq. ID	OJ990331_03.9819.C3
Gene No.	13911	Strand	-
Start	17114	End	19236
Name	OJ990331_03.9819.C3.o6.np	Method	AAT/NAP
Start	17511	End	17943
GI	1063666	Score	277
Exons	17511..17943		
GI Descrip.	(U38791) unknown [Zea mays]		
Seq. No.	6609	Seq. ID	OJ990331_03.9819.C6
Gene No.	13912	Strand	-
Start	239	End	762
Name	OJ990331_03.9819.C6.o1.gs	Method	GENSCAN
Start	239	End	762
GI	none	Score	.94
Exons	239..361, 660..762		
Seq. No.	6610	Seq. ID	OJ990331_03.9819.C7
Gene No.	13913	Strand	+
Start	264	End	543
Name	OJ990331_03.9819.C7.o1.gs	Method	GENSCAN
Start	264	End	543
GI	none	Score	.99
Exons	264..543		
Seq. No.	6610	Seq. ID	OJ990331_03.9819.C7
Gene No.	13914	Strand	
Start	557	End	1322
Name	OJ990331_03.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	557	End	1322
GI	none	Score	54
Exons	557..646, 562..612, 562..612, 635..769, 656..760, 665..760, 668..763, 688..768, 688..759, 691..768, 693..764, 698..766, 758..868, 776..853, 783..890, 784..897, 785..901, 790..891, 823..897, 910..1053, 925..1047, 937..1038, 937..1044, 937..1047, 945..1070, 948..1070, 953..1054, 956..1045, 1068..1208, 1070..1210, 1074..1199, 1077..1202, 1093..1221, 1096..1221, 1101..1193, 1103..1225, 1117..1203, 1213..1269, 1269..1322		

Seq. No.	6611	Seq. ID	OJ990331_03.9819.C8
Gene No.	13915	Strand	+
Start	363	End	477
Name	OJ990331_03.9819.C8.o1.gs	Method	GENSCAN
Start	363	End	477
GI	none	Score	.65
Exons	363..477		

Seq. No.	6611	Seq. ID	OJ990331_03.9819.C8
Gene No.	13916	Strand	+
Start	10678	End	17284
Name	OJ990331_03.9819.C8.o1.np	Method	AAT/NAP
Start	10678	End	16662
GI	4972079	Score	109
Exons	10678..10700, 12754..12784, 15057..15410, 16615..16662		
GI Descrip.	(AL078469) putative protein [Arabidopsis thaliana]		

Seq. No.	6611	Seq. ID	OJ990331_03.9819.C8
Gene No.	13916	Strand	+
Start	10678	End	17284
Name	OJ990331_03.9819.C8.o4.gs	Method	GENSCAN
Start	16089	End	17284
GI	none	Score	.81
Exons	16089..16991, 17018..17192, 17220..17284		

Seq. No.	6611	Seq. ID	OJ990331_03.9819.C8
Gene No.	13917	Strand	-
Start	1345	End	13666
Name	OJ990331_03.9819.C8.o2.gs	Method	GENSCAN
Start	1345	End	13666
GI	none	Score	.8
Exons	1345..2648, 7578..7757, 10119..10281, 13337..13468, 13583..13666		

Seq. No.	6611	Seq. ID	OJ990331_03.9819.C8
Gene No.	13917	Strand	-
Start	1345	End	13666
Name	OJ990331_03.9819.C8.o1.gp	Method	AAT/GAP
Start	6168	End	6604
GI	66825_1.R1084	Score	813
Exons	6168..6604		
GI Descrip.	'3877655/emb|CAA96657.1| 1.0e-22 (Z72511) possible zinc finger protein; cDNA EST EMBL:M89115 comes from this gene; cDNA EST EMBL:D71533 comes from this gene; cDNA EST EMBL:D72314 comes from this gene; cDNA EST EMBL:D75164 comes from this gene; cDNA EST EMBL:'		

Seq. No.	6611	Seq. ID	OJ990331_03.9819.C8
Gene No.	13918	Strand	-
Start	15985	End	16468
Name	OJ990331_03.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	15070	End	15404
GI	none	Score	66
Exons	15070..15132, 15126..15233, 15231..15368, 15372..15404		

Seq. No.	6611	Seq. ID	OJ990331_03.9819.C8
Gene No.	13918	Strand	-

Start	15985	End	16468
Name	OJ990331_03.9819.C8.o2.np	Method	AAT/NAP
Start	15985	End	16468
GI	5306245	Score	56
Exons	15985..16276, 16383..16468		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	6612	Seq. ID	OJ990331_03.9819.C9
Gene No.	13919	Strand	+
Start	1792	End	1863
Name	OJ990331_03.9819.C9.o1.gs	Method	GENSCAN
Start	1792	End	1863
GI	none	Score	.44
Exons	1792..1863		

Seq. No.	6613	Seq. ID	OJ990331_03.9819.C10
Gene No.	13920	Strand	+
Start	1	End	4310
Name	OJ990331_03.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	4118
GI	6815062	Score	564
Exons	1..753, 4094..4118		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	6613	Seq. ID	OJ990331_03.9819.C10
Gene No.	13920	Strand	+
Start	1	End	4310
Name	OJ990331_03.9819.C10.o1.gs	Method	GENSCAN
Start	92	End	4310
GI	none	Score	.52
Exons	92..187, 2555..2623, 3318..3349, 4229..4310		

Seq. No.	6613	Seq. ID	OJ990331_03.9819.C10
Gene No.	13921	Strand	+
Start	5427	End	7799
Name	OJ990331_03.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	153	End	396
GI	none	Score	108
Exons	153..269, 158..244, 265..396, 282..386		

Seq. No.	6613	Seq. ID	OJ990331_03.9819.C10
Gene No.	13921	Strand	+
Start	5427	End	7799
Name	OJ990331_03.9819.C10.o2.gs	Method	GENSCAN
Start	5427	End	7799
GI	none	Score	.58
Exons	5427..5607, 5677..5917, 6198..6361, 6840..6964, 7119..7263, 7677..7799		

Seq. No.	6614	Seq. ID	OJ990331_03.9819.C11
Gene No.	13922	Strand	+
Start	534	End	1125
Name	OJ990331_03.9819.C11.o2.gp	Method	AAT/GAP
Start	534	End	1125
GI	LIB3477-003-P1-K1-E9	Score	154

Exons	534..581, 1073..1125		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	6614	Seq. ID	OJ990331_03.9819.C11
Gene No.	13923	Strand	+
Start	1425	End	4577
Name	OJ990331_03.9819.C11.o1.gs	Method	GENSCAN
Start	1425	End	4577
GI	none	Score	.81
Exons	1425..1587, 1680..1808, 2125..2247, 2352..2453, 2985..3107, 3406..3528, 3824..3946, 4248..4376, 4476..4577		
Seq. No.	6614	Seq. ID	OJ990331_03.9819.C11
Gene No.	13924	Strand	-
Start	466	End	568
Name	OJ990331_03.9819.C11.o3.gp	Method	AAT/GAP
Start	466	End	568
GI	LIB3477-003-P1-K1-E9	Score	154
Exons	466..568		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	6615	Seq. ID	OJ990331_03.9819.C12
Gene No.	13925	Strand	-
Start	153	End	488
Name	OJ990331_03.9819.C12.o1.gs	Method	GENSCAN
Start	153	End	372
GI	none	Score	.98
Exons	153..372		
Seq. No.	6615	Seq. ID	OJ990331_03.9819.C12
Gene No.	13925	Strand	-
Start	153	End	488
Name	OJ990331_03.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	207	End	488
GI	none	Score	224
Exons	207..488		
Seq. No.	6616	Seq. ID	OJ990301_03.9819.C3
Gene No.	13926	Strand	-
Start	603	End	676
Name	OJ990301_03.9819.C3.o1.gp	Method	AAT/GAP
Start	603	End	676
GI	LIB3477-003-P1-K1-E9	Score	85
Exons	603..676		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	6617	Seq. ID	OJ990301_03.9819.C4
Gene No.	13927	Strand	+
Start	729	End	2258
Name	OJ990301_03.9819.C4.o1.gs	Method	GENSCAN
Start	729	End	2258

GI	none	Score	.65
Exons	729..817, 2201..2258		

Seq. No.	6617	Seq. ID	OJ990301_03.9819.C4
Gene No.	13928	Strand	+
Start	2496	End	12494
Name	OJ990301_03.9819.C4.o2.gs	Method	GENSCAN
Start	2496	End	12494
GI	none	Score	.62
Exons	2496..3056, 3652..3914, 4210..4395, 4864..5021, 6361..7220, 12465..12494		

Seq. No.	6617	Seq. ID	OJ990301_03.9819.C4
Gene No.	13928	Strand	+
Start	2496	End	12494
Name	OJ990301_03.9819.C4.o1.np	Method	AAT/NAP
Start	6257	End	8062
GI	4680184	Score	534
Exons	6257..6311, 6348..6735, 6911..7059, 7385..7469, 7502..8062		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6617	Seq. ID	OJ990301_03.9819.C4
Gene No.	13929	Strand	+
Start	14033	End	16187
Name	OJ990301_03.9819.C4.o3.gs	Method	GENSCAN
Start	14033	End	16187
GI	none	Score	.46
Exons	14033..14102, 16147..16187		

Seq. No.	6617	Seq. ID	OJ990301_03.9819.C4
Gene No.	13930	Strand	-
Start	10943	End	12782
Name	OJ990301_03.9819.C4.o2.np	Method	AAT/NAP
Start	10943	End	12782
GI	133446	Score	50
Exons	10943..11104, 12732..12782		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi|66986|pir||RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi|11973|emb|CAA33988| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	6617	Seq. ID	OJ990301_03.9819.C4
Gene No.	13931	Strand	-
Start	16826	End	17251
Name	OJ990301_03.9819.C4.o3.np	Method	AAT/NAP
Start	16826	End	17251
GI	4680180	Score	141
Exons	16826..17251		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13932	Strand	+
Start	1	End	1620
Name	OJ990301_03.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	1620
GI	5902444	Score	147
Exons	1..236, 1594..1620		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13933	Strand	+
Start	1991	End	8052
Name	OJ990301_03.9819.C5.o2.np	Method	AAT/NAP
Start	1991	End	8052
GI	5922631	Score	6600
Exons	1991..2115, 2373..2617, 2877..3055, 3101..3672, 3715..3865, 3992..4918, 5524..8052		

GI Descrip. (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13934	Strand	+
Start	11503	End	13030
Name	OJ990301_03.9819.C5.o4.np	Method	AAT/NAP
Start	11503	End	13027
GI	6729552	Score	77
Exons	11503..11564, 12814..13027		

GI Descrip. (AL132977) putative protein [Arabidopsis thaliana]

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13934	Strand	+
Start	11503	End	13030
Name	OJ990301_03.9819.C5.o3.gs	Method	GENSCAN
Start	11949	End	13030
GI	none	Score	.89
Exons	11949..11968, 12802..13030		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13935	Strand	+
Start	16924	End	17493
Name	OJ990301_03.9819.C5.o5.np	Method	AAT/NAP
Start	16594	End	17490
GI	2462834	Score	177
Exons	16594..16660, 16953..17116, 17158..17490		

GI Descrip. (AF000657) hypothetical protein [Arabidopsis thaliana]

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13935	Strand	+
Start	16924	End	17493
Name	OJ990301_03.9819.C5.o4.gs	Method	GENSCAN
Start	16924	End	17493
GI	none	Score	1
Exons	16924..17493		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13936	Strand	+
Start	18821	End	23507
Name	OJ990301_03.9819.C5.o1.gp	Method	AAT/GAP
Start	18821	End	20347

GI	2310235	Score	302
Exons	18821..18858, 19271..19410, 20287..20347		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13936	Strand	+
Start	18821	End	23507
Name	OJ990301_03.9819.C5.o6.np	Method	AAT/NAP
Start	19271	End	22577
GI	4680203	Score	3288
Exons	19271..20939, 21093..21323, 21600..22577		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13936	Strand	+
Start	18821	End	23507
Name	OJ990301_03.9819.C5.o2.gp	Method	AAT/GAP
Start	19275	End	23362
GI	342_1.R1084	Score	6678
Exons	19275..22682, 22801..22905, 23015..23362		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13936	Strand	+
Start	18821	End	23507
Name	OJ990301_03.9819.C5.o4.gp	Method	AAT/GAP
Start	19275	End	23358
GI	342_1.R1084	Score	6670
Exons	19275..22682, 22801..22905, 23015..23358		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13936	Strand	+
Start	18821	End	23507
Name	OJ990301_03.9819.C5.o5.gp	Method	AAT/GAP
Start	19275	End	23352
GI	342_1.R1084	Score	6658
Exons	19275..22682, 22801..22905, 23015..23352		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13936	Strand	+
Start	18821	End	23507
Name	OJ990301_03.9819.C5.o3.gp	Method	AAT/GAP
Start	19275	End	23364
GI	342_1.R1084	Score	6682
Exons	19275..22682, 22801..22905, 23015..23364		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13936	Strand	+
Start	18821	End	23507

Name	OJ990301_03.9819.C5.o6.gp	Method	AAT/GAP
Start	19433	End	23507
GI	342_1.R1084	Score	6722
Exons	19433..22682, 22801..22905, 23015..23507		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13936	Strand	+
Start	18821	End	23507
Name	OJ990301_03.9819.C5.o7.gp	Method	AAT/GAP
Start	19437	End	23507
GI	342_1.R1084	Score	6718
Exons	19437..22682, 22801..22905, 23015..23507		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o6.tm	Method	TBLASTX:Maize
Start	1277	End	17430
GI	none	Score	99
Exons	1277..1351, 1285..1350, 1394..1477, 1423..1473, 12815..12967, 12829..12951, 17020..17088, 17022..17087, 17146..17430, 17187..17414		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o3.tc	Method	TBLASTX:Cress
Start	1279	End	17409
GI	none	Score	84
Exons	1279..1353, 1280..1354, 1391..1474, 1393..1473, 1570..1599, 12803..12946, 12829..12945, 17019..17090, 17020..17091, 17155..17409, 17157..17237, 17292..17408		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o11.tw	Method	TBLASTX:Wheat
Start	3276	End	3678
GI	none	Score	281
Exons	3276..3545, 3277..3678		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	4258	End	5055
GI	none	Score	140
Exons	4258..4434, 4479..4715, 4483..4713, 4762..5055, 4890..5051		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o12.tw	Method	TBLASTX:Wheat

Start	5085	End	5289
GI	none	Score	242
Exons	5085..5288, 5089..5289, 5093..5287, 5097..5288		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	5093	End	5420
GI	none	Score	350
Exons	5093..5410, 5100..5420		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o4.tw	Method	TBLASTX:Wheat
Start	5289	End	5708
GI	none	Score	447
Exons	5289..5708, 5291..5707		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	5583	End	5984
GI	none	Score	292
Exons	5583..5984, 5600..5743, 5780..5950		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	5651	End	6083
GI	none	Score	272
Exons	5651..5902, 5652..5903, 5928..6083		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o6.tw	Method	TBLASTX:Wheat
Start	5754	End	6182
GI	none	Score	402
Exons	5754..6182		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o3.ts	Method	TBLASTX:Soybean
Start	6207	End	6598
GI	none	Score	252
Exons	6207..6596, 6218..6598		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o8.tw	Method	TBLASTX:Wheat
Start	6219	End	6641

GI	none	Score	379
Exons	6219..6641, 6224..6565		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o14.tw	Method	TBLASTX:Wheat
Start	6657	End	6995
GI	none	Score	133
Exons	6657..6791, 6659..6751, 6842..6976, 6858..6995		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o5.tm	Method	TBLASTX:Maize
Start	6953	End	7317
GI	none	Score	287
Exons	6953..7171, 6954..7172, 7014..7238, 7138..7278, 7270..7317		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o10.tw	Method	TBLASTX:Wheat
Start	7092	End	7461
GI	none	Score	87
Exons	7092..7169, 7144..7458, 7168..7347, 7191..7460, 7399..7461		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o5.tw	Method	TBLASTX:Wheat
Start	7462	End	8076
GI	none	Score	345
Exons	7462..7953, 7482..7571, 7623..7751, 7945..8076		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o7.tm	Method	TBLASTX:Maize
Start	7774	End	8037
GI	none	Score	157
Exons	7774..7956, 7935..8036, 7936..8037		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o2.gs	Method	GENSCAN
Start	8418	End	11345
GI	none	Score	.92
Exons	8418..8762, 9383..9570, 9648..10006, 10083..10247, 10283..10374, 10461..11345		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o3.np	Method	AAT/NAP
Start	8430	End	11345

GI	6691716	Score	2485
Exons	8430..8869, 8943..9056, 9206..9308, 9383..9570, 9648..9827, 9906..10006, 10083..10260, 10457..11345		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13937	Strand	-
Start	8418	End	17430
Name	OJ990301_03.9819.C5.o13.tw	Method	TBLASTX:Wheat
Start	10935	End	11225
GI	none	Score	218
Exons	10935..11225		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13938	Strand	
Start	19622	End	19978
Name	OJ990301_03.9819.C5.o9.tw	Method	TBLASTX:Wheat
Start	19622	End	19978
GI	none	Score	103
Exons	19622..19729, 19712..19963, 19720..19962, 19721..19978, 19722..19973		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13939	Strand	
Start	19894	End	20762
Name	OJ990301_03.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	19894	End	20323
GI	none	Score	102
Exons	19894..19977, 19895..19969, 19970..20032, 20027..20323, 20081..20305		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13939	Strand	
Start	19894	End	20762
Name	OJ990301_03.9819.C5.o2.tc	Method	TBLASTX:Cress
Start	20056	End	20365
GI	none	Score	283
Exons	20056..20208, 20063..20365, 20248..20343		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13939	Strand	
Start	19894	End	20762
Name	OJ990301_03.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	20192	End	20656
GI	none	Score	72
Exons	20192..20245, 20200..20244, 20246..20350, 20257..20346, 20366..20449, 20367..20450, 20430..20531, 20451..20522, 20453..20566, 20523..20651, 20528..20656, 20531..20656		

Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13939	Strand	
Start	19894	End	20762
Name	OJ990301_03.9819.C5.o4.tm	Method	TBLASTX:Maize
Start	20237	End	20690
GI	none	Score	101

Exons	20237..20365, 20249..20368, 20367..20489, 20370..20489, 20523..20690		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13939	Strand	
Start	19894	End	20762
Name	OJ990301_03.9819.C5.o4.ts	Method	TBLASTX:Soybean
Start	20526	End	20762
GI	none	Score	211
Exons	20526..20762		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13940	Strand	
Start	20795	End	21205
Name	OJ990301_03.9819.C5.o7.tw	Method	TBLASTX:Wheat
Start	20795	End	21205
GI	none	Score	87
Exons	20795..20845, 20796..20858, 20864..21046, 20868..21086, 20875..21087, 21119..21205, 21120..21203		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13941	Strand	
Start	21206	End	22523
Name	OJ990301_03.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	21206	End	22523
GI	none	Score	876
Exons	21206..22108, 21207..22124, 22119..22163, 22123..22158, 22166..22261, 22170..22229, 22208..22348, 22209..22349, 22362..22442, 22431..22523		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13941	Strand	
Start	21206	End	22523
Name	OJ990301_03.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	21249	End	21563
GI	none	Score	311
Exons	21249..21563, 21260..21535		
Seq. No.	6618	Seq. ID	OJ990301_03.9819.C5
Gene No.	13941	Strand	
Start	21206	End	22523
Name	OJ990301_03.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	21490	End	21942
GI	none	Score	152
Exons	21490..21672, 21494..21814, 21494..21937, 21504..21941, 21504..21941, 21691..21942		
Seq. No.	6619	Seq. ID	OJ990301_03.9819.C6
Gene No.	13942	Strand	+
Start	456	End	527
Name	OJ990301_03.9819.C6.o1.gp	Method	AAT/GAP
Start	456	End	527
GI	LIB3477-003-P1-K1-E9	Score	93
Exons	456..527		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13943	Strand	+
Start	1176	End	4336
Name	OJ990301_03.9819.C7.o3.np	Method	AAT/NAP
Start	1086	End	4318
GI	4680204	Score	851
Exons	1086..2066, 2141..3231, 3341..3514, 3611..3830, 4181..4318		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13943	Strand	+
Start	1176	End	4336
Name	OJ990301_03.9819.C7.o2.gs	Method	GENSCAN
Start	1176	End	4336
GI	none	Score	.62
Exons	1176..2066, 2141..2282, 2402..2544, 2546..3231, 3341..3514, 3611..3721, 3806..3878, 3973..4071, 4151..4336		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13944	Strand	+
Start	4616	End	4756
Name	OJ990301_03.9819.C7.o2.gp	Method	AAT/GAP
Start	4616	End	4756
GI	21474_1.R1084	Score	244
Exons	4616..4756		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13945	Strand	-
Start	1	End	2165
Name	OJ990301_03.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	2165
GI	4680203	Score	843
Exons	1..839, 2135..2165		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13945	Strand	-
Start	1	End	2165
Name	OJ990301_03.9819.C7.o1.gs	Method	GENSCAN
Start	78	End	701
GI	none	Score	.46
Exons	78..701		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13945	Strand	-
Start	1	End	2165
Name	OJ990301_03.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	126	End	416
GI	none	Score	95
Exons	126..191, 198..416, 202..408		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13945	Strand	-
Start	1	End	2165

Name	OJ990301_03.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	183	End	539
GI	none	Score	157
Exons	183..440, 188..439, 198..449, 199..441, 432..539		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13945	Strand	-
Start	1	End	2165
Name	OJ990301_03.9819.C7.o1.gp	Method	AAT/GAP
Start	435	End	839
GI	2310235	Score	141
Exons	435..460, 751..839		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	6620	Seq. ID	OJ990301_03.9819.C7
Gene No.	13945	Strand	-
Start	1	End	2165
Name	OJ990301_03.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	1273	End	1676
GI	none	Score	62
Exons	1273..1413, 1273..1383, 1275..1511, 1275..1424, 1376..1543, 1506..1676		

Seq. No.	6621	Seq. ID	OJ990301_03.9819.C8
Gene No.	13946	Strand	-
Start	1	End	766
Name	OJ990301_03.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	766
GI	4680180	Score	592
Exons	1..766		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	6621	Seq. ID	OJ990301_03.9819.C8
Gene No.	13946	Strand	-
Start	1	End	766
Name	OJ990301_03.9819.C8.o1.gs	Method	GENSCAN
Start	21	End	365
GI	none	Score	.87
Exons	21..365		

Seq. No.	6621	Seq. ID	OJ990301_03.9819.C8
Gene No.	13946	Strand	-
Start	1	End	766
Name	OJ990301_03.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	79	End	418
GI	none	Score	44
Exons	79..117, 81..251, 99..260, 169..252, 259..417, 263..418		

Seq. No.	6621	Seq. ID	OJ990301_03.9819.C8
Gene No.	13946	Strand	-
Start	1	End	766
Name	OJ990301_03.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	111	End	418
GI	none	Score	81
Exons	111..158, 150..290, 190..414, 256..414, 257..418		

Seq. No.	6622	Seq. ID	OJ990301_03.9819.C9
Gene No.	13947	Strand	+
Start	30	End	1182
Name	OJ990301_03.9819.C9.o1.np	Method	AAT/NAP
Start	30	End	1182
GI	4680204	Score	682
Exons	30..1182		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6622	Seq. ID	OJ990301_03.9819.C9
Gene No.	13947	Strand	+
Start	30	End	1182
Name	OJ990301_03.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	780	End	1119
GI	none	Score	166
Exons	780..929, 781..942, 949..1083, 1002..1082, 1087..1119		

Seq. No.	6623	Seq. ID	OJ990301_03.9819.C10
Gene No.	13948	Strand	-
Start	1	End	796
Name	OJ990301_03.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	796
GI	5902445	Score	1143
Exons	1..796		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	6623	Seq. ID	OJ990301_03.9819.C10
Gene No.	13949	Strand	-
Start	863	End	1116
Name	OJ990301_03.9819.C10.o2.tw	Method	TBLASTX:Wheat
Start	79	End	396
GI	none	Score	111
Exons	79..171, 165..395, 166..396		

Seq. No.	6623	Seq. ID	OJ990301_03.9819.C10
Gene No.	13949	Strand	-
Start	863	End	1116
Name	OJ990301_03.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	366	End	693
GI	none	Score	188
Exons	366..686, 376..693		

Seq. No.	6623	Seq. ID	OJ990301_03.9819.C10
Gene No.	13949	Strand	-
Start	863	End	1116
Name	OJ990301_03.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	396	End	851
GI	none	Score	193
Exons	396..701, 397..693, 692..850, 726..851		

Seq. No.	6623	Seq. ID	OJ990301_03.9819.C10
Gene No.	13949	Strand	-
Start	863	End	1116
Name	OJ990301_03.9819.C10.o2.np	Method	AAT/NAP
Start	863	End	1116
GI	5902444	Score	242
Exons	863..1116		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	6624	Seq. ID	OJ990301_03.9819.C13
Gene No.	13950	Strand	+
Start	1	End	1150
Name	OJ990301_03.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1108
GI	5902444	Score	1558
Exons	1..1108		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	6624	Seq. ID	OJ990301_03.9819.C13
Gene No.	13950	Strand	+
Start	1	End	1150
Name	OJ990301_03.9819.C13.o1.gs	Method	GENSCAN
Start	2	End	1111
GI	none	Score	.99
Exons	2..50, 177..1111		

Seq. No.	6624	Seq. ID	OJ990301_03.9819.C13
Gene No.	13950	Strand	+
Start	1	End	1150
Name	OJ990301_03.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	443	End	1150
GI	none	Score	140
Exons	443..619, 664..900, 668..898, 947..1150		

Seq. No.	6625	Seq. ID	OJ990301_03.9819.C16
Gene No.	13951	Strand	+
Start	1	End	1052
Name	OJ990301_03.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	1052
GI	5902445	Score	1136
Exons	1..1052		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	6625	Seq. ID	OJ990301_03.9819.C16
Gene No.	13951	Strand	+
Start	1	End	1052
Name	OJ990301_03.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	166	End	557
GI	none	Score	252
Exons	166..555, 177..557		

Seq. No.	6625	Seq. ID	OJ990301_03.9819.C16
Gene No.	13951	Strand	+
Start	1	End	1052
Name	OJ990301_03.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	178	End	600
GI	none	Score	379
Exons	178..600, 183..524		

Seq. No.	6626	Seq. ID	OJ990301_03.9819.C18
Gene No.	13952	Strand	-
Start	1	End	827
Name	OJ990301_03.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	827

GI	4680184	Score	191
Exons	1..555, 724..827		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6626	Seq. ID	OJ990301_03.9819.C18
Gene No.	13952	Strand	-
Start	1	End	827
Name	OJ990301_03.9819.C18.o1.gs	Method	GENSCAN
Start	216	End	689
GI	none	Score	.43
Exons	216..689		

Seq. No.	6627	Seq. ID	OJ990301_03.9819.C22
Gene No.	13953	Strand	-
Start	461	End	658
Name	OJ990301_03.9819.C22.o1.gs	Method	GENSCAN
Start	461	End	658
GI	none	Score	.49
Exons	461..606, 618..658		

Seq. No.	6628	Seq. ID	OJ990301_03.9819.C24
Gene No.	13954	Strand	+
Start	1	End	982
Name	OJ990301_03.9819.C24.o1.np	Method	AAT/NAP
Start	1	End	982
GI	6742729	Score	545
Exons	1..982		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	6628	Seq. ID	OJ990301_03.9819.C24
Gene No.	13954	Strand	+
Start	1	End	982
Name	OJ990301_03.9819.C24.o1.gp	Method	AAT/GAP
Start	287	End	633
GI	342_1.R1084	Score	590
Exons	287..633		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	6628	Seq. ID	OJ990301_03.9819.C24
Gene No.	13954	Strand	+
Start	1	End	982
Name	OJ990301_03.9819.C24.o1.tw	Method	TBLASTX:Wheat
Start	287	End	633
GI	none	Score	451
Exons	287..631, 287..457, 288..629, 289..633, 289..633		

Seq. No.	6628	Seq. ID	OJ990301_03.9819.C24
Gene No.	13954	Strand	+
Start	1	End	982
Name	OJ990301_03.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	320	End	631
GI	none	Score	306
Exons	320..631, 331..606		

Seq. No.	6629	Seq. ID	OJ990301_03.9819.C28
Gene No.	13955	Strand	-

Start	1	End	853
Name	OJ990301_03.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	853
GI	4680204	Score	117
Exons	1..20, 105..321, 431..853		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	6629	Seq. ID	OJ990301_03.9819.C28
Gene No.	13955	Strand	-
Start	1	End	853
Name	OJ990301_03.9819.C28.o1.gs	Method	GENSCAN
Start	148	End	762
GI	none	Score	.88
Exons	148..321, 431..762		

Seq. No.	6630	Seq. ID	OJ990301_03.9819.C29
Gene No.	13956	Strand	-
Start	756	End	874
Name	OJ990301_03.9819.C29.o1.gs	Method	GENSCAN
Start	756	End	874
GI	none	Score	.68
Exons	756..874		

Seq. No.	6631	Seq. ID	OJ990301_03.9819.C30
Gene No.	13957	Strand	+
Start	575	End	2346
Name	OJ990301_03.9819.C30.o1.np	Method	AAT/NAP
Start	575	End	2236
GI	6907088	Score	315
Exons	575..712, 888..1312, 2052..2236		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6631	Seq. ID	OJ990301_03.9819.C30
Gene No.	13957	Strand	+
Start	575	End	2346
Name	OJ990301_03.9819.C30.o2.np	Method	AAT/NAP
Start	646	End	2346
GI	6069654	Score	215
Exons	646..694, 1823..2346		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	6631	Seq. ID	OJ990301_03.9819.C30
Gene No.	13958	Strand	-
Start	2009	End	2143
Name	OJ990301_03.9819.C30.o1.gs	Method	GENSCAN
Start	2009	End	2143
GI	none	Score	.63
Exons	2009..2143		

Seq. No.	6632	Seq. ID	OJ990301_03.9819.C31
Gene No.	13959	Strand	+
Start	1	End	1930
Name	OJ990301_03.9819.C31.o1.np	Method	AAT/NAP
Start	1	End	1930
GI	4680184	Score	322
Exons	1..530, 677..928, 1256..1606, 1875..1930		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6632	Seq. ID	OJ990301_03.9819.C31
Gene No.	13960	Strand	-
Start	465	End	1648
Name	OJ990301_03.9819.C31.o1.gs	Method	GENSCAN
Start	465	End	1648
GI	none	Score	.84
Exons	465..564, 801..926, 1008..1131, 1261..1648		

Seq. No.	6633	Seq. ID	OJ990301_03.9819.C32
Gene No.	13961	Strand	-
Start	42	End	469
Name	OJ990301_03.9819.C32.o1.gs	Method	GENSCAN
Start	42	End	469
GI	none	Score	.92
Exons	42..115, 322..469		

Seq. No.	6634	Seq. ID	OJ990301_03.9819.C33
Gene No.	13962	Strand	-
Start	288	End	638
Name	OJ990301_03.9819.C33.o1.gs	Method	GENSCAN
Start	288	End	616
GI	none	Score	.96
Exons	288..616		

Seq. No.	6634	Seq. ID	OJ990301_03.9819.C33
Gene No.	13962	Strand	-
Start	288	End	638
Name	OJ990301_03.9819.C33.o1.tw	Method	TBLASTX:Wheat
Start	299	End	638
GI	none	Score	56
Exons	299..331, 335..469, 368..412, 476..637, 489..638		

Seq. No.	6635	Seq. ID	OJ990201_04.9819.C1
Gene No.	13963	Strand	+
Start	58	End	704
Name	OJ990201_04.9819.C1.o1.np	Method	AAT/NAP
Start	58	End	704
GI	4416302	Score	640
Exons	58..704		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	6635	Seq. ID	OJ990201_04.9819.C1
Gene No.	13963	Strand	+
Start	58	End	704
Name	OJ990201_04.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	150	End	554
GI	none	Score	350
Exons	150..554, 161..544		

Seq. No.	6635	Seq. ID	OJ990201_04.9819.C1
Gene No.	13963	Strand	+
Start	58	End	704
Name	OJ990201_04.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	183	End	673
GI	none	Score	297
Exons	183..476, 191..463, 482..673, 483..671		

Seq. No.	6635	Seq. ID	OJ990201_04.9819.C1
Gene No.	13963	Strand	+
Start	58	End	704
Name	OJ990201_04.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	183	End	614
GI	none	Score	108
Exons	183..332, 357..614, 365..496		

Seq. No.	6636	Seq. ID	OJ990201_04.9819.C2
Gene No.	13964	Strand	-
Start	1	End	646
Name	OJ990201_04.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	506
GI	6016874	Score	229
Exons	1..506		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	6636	Seq. ID	OJ990201_04.9819.C2
Gene No.	13964	Strand	-
Start	1	End	646
Name	OJ990201_04.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	291	End	605
GI	none	Score	106
Exons	291..518, 292..510, 531..605		

Seq. No.	6636	Seq. ID	OJ990201_04.9819.C2
Gene No.	13964	Strand	-
Start	1	End	646
Name	OJ990201_04.9819.C2.o1.gp	Method	AAT/GAP
Start	296	End	646
GI	uC-osflcyp110c07b1	Score	628
Exons	296..646		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	6636	Seq. ID	OJ990201_04.9819.C2
Gene No.	13964	Strand	-
Start	1	End	646
Name	OJ990201_04.9819.C2.o1.gs	Method	GENSCAN
Start	347	End	464
GI	none	Score	.85
Exons	347..464		

Seq. No.	6637	Seq. ID	OJ990201_04.9819.C6
Gene No.	13965	Strand	+
Start	1	End	3242
Name	OJ990201_04.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	1672
GI	6539588	Score	207
Exons	1..293, 1641..1672		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6637	Seq. ID	OJ990201_04.9819.C6

Gene No.	13965	Strand	+
Start	1	End	3242
Name	OJ990201_04.9819.C6.o1.gs	Method	GENSCAN
Start	443	End	2975
GI	none	Score	.44
Exons	443..1289, 1344..1526, 1594..1790, 1977..2975		

Seq. No.	6637	Seq. ID	OJ990201_04.9819.C6
Gene No.	13965	Strand	+
Start	1	End	3242
Name	OJ990201_04.9819.C6.o3.np	Method	AAT/NAP
Start	1974	End	3242
GI	3645899	Score	758
Exons	1974..3242		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	6637	Seq. ID	OJ990201_04.9819.C6
Gene No.	13965	Strand	+
Start	1	End	3242
Name	OJ990201_04.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	2583	End	3116
GI	none	Score	228
Exons	2583..3008, 3036..3116		

Seq. No.	6637	Seq. ID	OJ990201_04.9819.C6
Gene No.	13965	Strand	+
Start	1	End	3242
Name	OJ990201_04.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	2625	End	3113
GI	none	Score	81
Exons	2625..2690, 2633..2692, 2691..3113, 2753..3112		

Seq. No.	6637	Seq. ID	OJ990201_04.9819.C6
Gene No.	13965	Strand	+
Start	1	End	3242
Name	OJ990201_04.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	2799	End	3110
GI	none	Score	235
Exons	2799..3110, 2819..3103		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13966	Strand	+
Start	1971	End	2761
Name	OJ990201_04.9819.C8.o2.gs	Method	GENSCAN
Start	1971	End	2761
GI	none	Score	.54
Exons	1971..2003, 2080..2314, 2691..2761		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13967	Strand	-
Start	1	End	1056
Name	OJ990201_04.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	1056
GI	1002798	Score	595
Exons	1..51, 80..313, 392..521, 879..1056		
GI Descrip.	(U33916) Cpm5 [Craterostigma plantagineum]		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13967	Strand	-
Start	1	End	1056
Name	OJ990201_04.9819.C8.o1.gs	Method	GENSCAN
Start	80	End	1056
GI	none	Score	.86
Exons	80..313, 392..551, 879..1056		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13968	Strand	-
Start	3624	End	4596
Name	OJ990201_04.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	142	End	990
GI	none	Score	163
Exons	142..315, 146..310, 383..523, 391..522, 877..990, 892..963		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13968	Strand	-
Start	3624	End	4596
Name	OJ990201_04.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	145	End	990
GI	none	Score	197
Exons	145..315, 146..316, 386..523, 391..522, 875..970, 877..990		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13968	Strand	-
Start	3624	End	4596
Name	OJ990201_04.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	233	End	532
GI	none	Score	67
Exons	233..310, 235..318, 391..531, 392..532		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13968	Strand	-
Start	3624	End	4596
Name	OJ990201_04.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	238	End	978
GI	none	Score	82
Exons	238..336, 248..316, 383..523, 391..528, 877..978		

Seq. No.	6638	Seq. ID	OJ990201_04.9819.C8
Gene No.	13968	Strand	-
Start	3624	End	4596
Name	OJ990201_04.9819.C8.o3.gs	Method	GENSCAN
Start	3624	End	4596
GI	none	Score	.74
Exons	3624..3652, 4314..4403, 4535..4596		

Seq. No.	6639	Seq. ID	OJ990201_04.9819.C9
Gene No.	13969	Strand	+
Start	7362	End	10996
Name	OJ990201_04.9819.C9.o1.np	Method	AAT/NAP
Start	7362	End	10996
GI	6006359	Score	74
Exons	7362..7406, 9151..9248, 10956..10996		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	6639	Seq. ID	OJ990201_04.9819.C9
Gene No.	13970	Strand	-
Start	8701	End	14152
Name	OJ990201_04.9819.C9.o2.gs	Method	GENSCAN
Start	8701	End	13980
GI	none	Score	.62
Exons	8701..8829, 9085..9258, 9767..9979, 11112..11178, 11518..11733, 12099..12259, 12505..12572, 13753..13838, 13935..13980		

Seq. No.	6639	Seq. ID	OJ990201_04.9819.C9
Gene No.	13970	Strand	-
Start	8701	End	14152
Name	OJ990201_04.9819.C9.o2.np	Method	AAT/NAP
Start	11636	End	14152
GI	3885941	Score	346
Exons	11636..11733, 12190..12259, 12505..12572, 13643..13730, 13811..13838, 13935..14152		
GI Descrip.	(AF095454) PII protein [Ricinus communis]		

Seq. No.	6640	Seq. ID	OJ990201_04.9819.C10
Gene No.	13971	Strand	+
Start	698	End	2531
Name	OJ990201_04.9819.C10.o1.np	Method	AAT/NAP
Start	698	End	2531
GI	5852093	Score	85
Exons	698..834, 2403..2531		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	6640	Seq. ID	OJ990201_04.9819.C10
Gene No.	13972	Strand	-
Start	1	End	2486
Name	OJ990201_04.9819.C10.o2.np	Method	AAT/NAP
Start	1	End	2486
GI	5852093	Score	68
Exons	1..61, 146..292, 995..1101, 2454..2486		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13973	Strand	+
Start	2170	End	3995
Name	OJ990201_04.9819.C11.o1.np	Method	AAT/NAP
Start	2170	End	3995
GI	3482914	Score	738
Exons	2170..2425, 3133..3995		
GI Descrip.	(AC003970) Similar to nodulins and lipase [Arabidopsis thaliana]		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13974	Strand	+
Start	6741	End	9795
Name	OJ990201_04.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	2277	End	3971
GI	none	Score	163
Exons	2277..2420, 2278..2424, 3318..3578, 3509..3571, 3582..3638, 3701..3970, 3702..3971		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13974	Strand	+

Start	6741	End	9795
Name	OJ990201_04.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	3134	End	3872
GI	none	Score	99
Exons	3134..3223, 3135..3224, 3230..3391, 3231..3395, 3495..3638, 3701..3823, 3702..3872		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13974	Strand	+
Start	6741	End	9795
Name	OJ990201_04.9819.C11.o2.np	Method	AAT/NAP
Start	6741	End	9795
GI	6815072	Score	1470
Exons	6741..6827, 7866..7989, 8088..8423, 8532..9243, 9359..9678, 9745..9795		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13974	Strand	+
Start	6741	End	9795
Name	OJ990201_04.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	8172	End	8987
GI	none	Score	74
Exons	8172..8231, 8241..8312, 8340..8687, 8883..8987		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13974	Strand	+
Start	6741	End	9795
Name	OJ990201_04.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	8883	End	9209
GI	none	Score	215
Exons	8883..9119, 8960..9133, 9132..9209		

Seq. No.	6641	Seq. ID	OJ990201_04.9819.C11
Gene No.	13974	Strand	+
Start	6741	End	9795
Name	OJ990201_04.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	8990	End	9423
GI	none	Score	140
Exons	8990..9118, 8994..9119, 9129..9233, 9355..9423		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13975	Strand	+
Start	1	End	5734
Name	OJ990201_04.9819.C12.o1.np	Method	AAT/NAP
Start	1	End	2488
GI	6815072	Score	2122
Exons	1..46, 281..2488		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13975	Strand	+
Start	1	End	5734
Name	OJ990201_04.9819.C12.o2.np	Method	AAT/NAP
Start	558	End	5734

GI	6063554	Score	347
Exons	558..596, 3572..3793, 4095..4249, 4413..4456, 4898..4926, 5561..5734		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13975	Strand	+
Start	1	End	5734
Name	OJ990201_04.9819.C12.o2.gs	Method	GENSCAN
Start	776	End	4336
GI	none	Score	.45
Exons	776..2339, 2607..2776, 3692..4336		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13976	Strand	+
Start	6104	End	6378
Name	OJ990201_04.9819.C12.o3.gp	Method	AAT/GAP
Start	6104	End	6378
GI	61605_1.R1084	Score	462
Exons	6104..6378		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13977	Strand	-
Start	4392	End	5895
Name	OJ990201_04.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	506	End	790
GI	none	Score	185
Exons	506..790, 514..762		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13977	Strand	-
Start	4392	End	5895
Name	OJ990201_04.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	1292	End	1660
GI	none	Score	356
Exons	1292..1660, 1295..1576, 1309..1659		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13977	Strand	-
Start	4392	End	5895
Name	OJ990201_04.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	1960	End	2143
GI	none	Score	186
Exons	1960..2139, 1961..2143		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13977	Strand	-
Start	4392	End	5895
Name	OJ990201_04.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	1964	End	2221
GI	none	Score	208
Exons	1964..2221, 1975..2178		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13977	Strand	-
Start	4392	End	5895
Name	OJ990201_04.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	1967	End	2287
GI	none	Score	224
Exons	1967..2188, 1969..2187, 2209..2286, 2213..2287		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13977	Strand	-
Start	4392	End	5895
Name	OJ990201_04.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	2213	End	2395
GI	none	Score	221
Exons	2213..2395, 2213..2353, 2215..2394		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13977	Strand	-
Start	4392	End	5895
Name	OJ990201_04.9819.C12.o1.gp	Method	AAT/GAP
Start	4392	End	5126
GI	101153_1.R1084	Score	418
Exons	4392..4451, 4886..5126		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	6642	Seq. ID	OJ990201_04.9819.C12
Gene No.	13977	Strand	-
Start	4392	End	5895
Name	OJ990201_04.9819.C12.o3.gs	Method	GENSCAN
Start	4854	End	5895
GI	none	Score	.82
Exons	4854..4994, 5466..5589, 5820..5895		

Seq. No.	6643	Seq. ID	OJ990201_04.9819.C13
Gene No.	13978	Strand	+
Start	1	End	698
Name	OJ990201_04.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	698
GI	6907089	Score	786
Exons	1..698		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6643	Seq. ID	OJ990201_04.9819.C13
Gene No.	13978	Strand	+
Start	1	End	698
Name	OJ990201_04.9819.C13.o1.gs	Method	GENSCAN
Start	67	End	541
GI	none	Score	.62
Exons	67..346, 374..541		

Seq. No.	6644	Seq. ID	OJ990201_04.9819.C14
Gene No.	13979	Strand	+
Start	121	End	423
Name	OJ990201_04.9819.C14.o1.gs	Method	GENSCAN
Start	121	End	423
GI	none	Score	.62

Exons	121..423		
Seq. No.	6645	Seq. ID	OJ990201_04.9819.C15
Gene No.	13980	Strand	+
Start	114	End	446
Name	OJ990201_04.9819.C15.o1.gs	Method	GENSCAN
Start	114	End	446
GI	none	Score	.75
Exons	114..267, 367..446		
Seq. No.	6645	Seq. ID	OJ990201_04.9819.C15
Gene No.	13980	Strand	+
Start	114	End	446
Name	OJ990201_04.9819.C15.o1.np	Method	AAT/NAP
Start	114	End	443
GI	3192690	Score	515
Exons	114..443		
GI Descrip.	(AF064539) gp7 [Bacteriophage N15]		
Seq. No.	6645	Seq. ID	OJ990201_04.9819.C15
Gene No.	13981	Strand	+
Start	514	End	712
Name	OJ990201_04.9819.C15.o2.np	Method	AAT/NAP
Start	514	End	712
GI	116701	Score	295
Exons	514..712		
GI Descrip.	MAJOR HEAD PROTEIN (GPE) (GP5) (MAJOR COAT PROTEIN) gi|76032|pir||VHBP80 major capsid protein - phage phi-80 gi|15769|emb|CAA29926| (X06751) put. major coat protein (AA 1-341) [Bacteriophage phi-80]		
Seq. No.	6646	Seq. ID	OJ990201_04.9819.C19
Gene No.	13982	Strand	+
Start	1	End	709
Name	OJ990201_04.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	616
GI	6907089	Score	96
Exons	1..229, 548..616		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	6646	Seq. ID	OJ990201_04.9819.C19
Gene No.	13982	Strand	+
Start	1	End	709
Name	OJ990201_04.9819.C19.o2.np	Method	AAT/NAP
Start	403	End	709
GI	5042454	Score	96
Exons	403..481, 534..709		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	6647	Seq. ID	OJ990201_04.9819.C20
Gene No.	13983	Strand	-
Start	608	End	656
Name	OJ990201_04.9819.C20.o1.gs	Method	GENSCAN
Start	608	End	656
GI	none	Score	.63
Exons	608..656		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13984	Strand	+
Start	204	End	11855
Name	OJ990201_04.9819.C26.o1.gs	Method	GENSCAN
Start	204	End	11855
GI	none	Score	.84
Exons	204..322, 432..597, 854..977, 1076..1169, 1267..1397, 1473..1554, 1661..1787, 2102..2419, 4188..4214, 4820..4930, 5802..5915, 6891..6987, 7123..7169, 7559..7672, 7757..7850, 8093..8190, 9089..9188, 10178..10254, 10557..11855		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o2.tc	Method	TBLASTX:Cress
Start	10881	End	11285
GI	none	Score	207
Exons	10881..11114, 10934..11113, 11145..11285		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	11007	End	11795
GI	none	Score	901
Exons	11007..11795, 11024..11452, 11037..11765, 11501..11794		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o2.ts	Method	TBLASTX:Soybean
Start	11052	End	11693
GI	none	Score	85
Exons	11052..11123, 11067..11135, 11133..11255, 11238..11648, 11246..11440, 11501..11683, 11508..11693, 11648..11686		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o1.gp	Method	AAT/GAP
Start	12360	End	14013
GI	13125_1.R1084	Score	1864
Exons	12360..12875, 12976..13078, 13249..13332, 13420..13515, 13592..13642, 13734..13874, 13954..14013		
GI Descrip.	'1709129/sp|P51139|MSK3_MEDSA 1.0e-135 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 >gi_481018_pir__S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa >gi_313148_emb_CAA48472_ (X68409) protein kinase [Medicago sativa]'		

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o2.tm	Method	TBLASTX:Maize
Start	12787	End	14031
GI	none	Score	66
Exons	12787..12873, 12787..12876, 12788..12877, 12953..13075, 12977..13078, 12978..13076, 13225..13341, 13226..13315,		

13248..13334, 13249..13338, 13406..13516, 13417..13518,
13417..13518, 13419..13523, 13589..13633, 13590..13643,
13590..13643, 13734..13874, 13735..13875, 13943..14011,
13947..14015, 13951..14022, 13951..14031

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	12790	End	14031
GI	none	Score	88

Exons 12790..12876, 12791..12877, 12950..13075, 12983..13072,
13225..13341, 13226..13315, 13417..13518, 13421..13516,
13421..13528, 13422..13517, 13589..13633, 13590..13643,
13590..13643, 13734..13874, 13734..13874, 13735..13875,
13747..13878, 13748..13885, 13874..13951, 13943..14029,
13951..14031

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	12791	End	14031
GI	none	Score	65

Exons 12791..12886, 12808..12876, 12922..13062, 12959..13075,
12977..13069, 13225..13341, 13226..13315, 13402..13518,
13421..13516, 13581..13643, 13582..13644, 13590..13646,
13734..13874, 13738..13875, 13747..13878, 13748..13921,
13916..13933, 13951..14031, 13952..14029

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o2.gs	Method	GENSCAN
Start	12793	End	13874
GI	none	Score	.96

Exons 12793..12875, 12976..13078, 13249..13332, 13420..13515,
13592..13642, 13734..13874

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o1.np	Method	AAT/NAP
Start	12796	End	14182
GI	2191169	Score	790

Exons 12796..12888, 12965..13078, 13249..13332, 13420..13515,
13592..13642, 13734..13905, 13936..14182

GI Descrip. (AF007270) Similar to shaggy related protein kinase. Belongs to the CDC2/CDKX subfamily [Arabidopsis thaliana]

Seq. No.	6648	Seq. ID	OJ990201_04.9819.C26
Gene No.	13985	Strand	-
Start	12360	End	14182
Name	OJ990201_04.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	12814	End	13518
GI	none	Score	63

Exons 12814..12876, 12983..13075, 13086..13130, 13246..13341,

13249..13338, 13417..13518, 13418..13516, 13420..13518

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o1.gp	Method	AAT/GAP
Start	1	End	194
GI	13125_1.R1084	Score	161
Exons	1..34, 120..194		
GI Descrip.	'1709129/sp|P51139|MSK3_MEDSA 1.0e-135 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 >gi_481018_pir__S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa >gi_313148_emb_CAA48472_ (X68409) protein kinase [Medicago sativa]'		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	967
GI	1709129	Score	623
Exons	1..34, 120..392, 499..558, 673..741, 821..967		
GI Descrip.	GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 gi|481018|pir||S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa gi|313148|emb|CAA48472| (X68409) protein kinase [Medicago sativa]		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	2	End	1035
GI	none	Score	47
Exons	2..79, 4..45, 117..392, 119..394, 121..396, 499..561, 500..562, 643..768, 674..766, 842..967, 845..988, 855..977, 976..1035, 990..1031		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o1.ts	Method	TBLASTX:Soybean
Start	5	End	946
GI	none	Score	197
Exons	5..79, 117..395, 117..392, 130..393, 133..396, 134..394, 499..561, 500..562, 617..766, 643..768, 842..946		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o1.tc	Method	TBLASTX:Cress
Start	117	End	907
GI	none	Score	168
Exons	117..392, 120..374, 133..411, 499..561, 500..562, 501..566, 623..766, 643..768, 842..907		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856

Name	OJ990201_04.9819.C27.o1.tw	Method	TBLASTX:Wheat
Start	117	End	741
GI	none	Score	243
Exons	117..392, 118..396, 122..418, 500..559, 628..741	122..394, 497..559, 499..561,	

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o1.gs	Method	GENSCAN
Start	120	End	6856
GI	none	Score	.61
Exons	120..392, 499..558, 673..765, 4376..4440, 5414..5508, 5531..5666, 6312..6378, 6854..6856	845..922, 1741..2026, 4112..4140,	

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o2.gp	Method	AAT/GAP
Start	361	End	1990
GI	155_1.R1084	Score	940
Exons	361..392, 499..558, 673..765,	845..1031, 1849..1990	
GI Descrip.	'1709129/sp|P51139|MSK3_MEDSA 3.0e-27 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 >gi_481018_pir__S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa >gi_313148_emb_CAA48472_ (X68409) protein kinase [Medicago sativa]'		

Seq. No.	6649	Seq. ID	OJ990201_04.9819.C27
Gene No.	13986	Strand	-
Start	1	End	6856
Name	OJ990201_04.9819.C27.o2.np	Method	AAT/NAP
Start	4064	End	5673
GI	6539588	Score	179
Exons	4064..4122, 5428..5673		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13987	Strand	+
Start	1348	End	2461
Name	OJ990201_04.9819.C28.o1.gs	Method	GENSCAN
Start	1348	End	2461
GI	none	Score	.69
Exons	1348..1446, 2366..2461		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13988	Strand	+
Start	3624	End	5838
Name	OJ990201_04.9819.C28.o1.gp	Method	AAT/GAP
Start	3425	End	3718
GI	none	Score	449
Exons	3425..3718		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13988	Strand	+
Start	3624	End	5838
Name	OJ990201_04.9819.C28.o2.gs	Method	GENSCAN
Start	3624	End	5780

GI	none	Score	.91
Exons	3624..3761, 4568..4759, 4873..5108, 5198..5780		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13988	Strand	+
Start	3624	End	5838
Name	OJ990201_04.9819.C28.o1.np	Method	AAT/NAP
Start	3687	End	5783
GI	3643085	Score	996
Exons	3687..3778, 4579..4759, 4873..5108, 5198..5783		
GI Descrip.	(AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13988	Strand	+
Start	3624	End	5838
Name	OJ990201_04.9819.C28.o2.gp	Method	AAT/GAP
Start	4683	End	5838
GI	27475_1.R1084	Score	1736
Exons	4683..4759, 4873..5108, 5198..5838		
GI Descrip.	'3643085/gb|AAC36698| 4.0e-50 (AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]'		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13989	Strand	+
Start	14035	End	17948
Name	OJ990201_04.9819.C28.o4.gs	Method	GENSCAN
Start	14035	End	17948
GI	none	Score	.66
Exons	14035..14107, 15065..15282, 17805..17948		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13990	Strand	+
Start	19327	End	24120
Name	OJ990201_04.9819.C28.o4.gp	Method	AAT/GAP
Start	19327	End	23123
GI	25231_1.R1084	Score	1066
Exons	19327..19662, 22861..23123		
GI Descrip.	'3928088 8.0e-26 (AC005770) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13990	Strand	+
Start	19327	End	24120
Name	OJ990201_04.9819.C28.o3.np	Method	AAT/NAP
Start	19465	End	23664
GI	4760700	Score	448
Exons	19465..19662, 22861..23410, 23437..23664		
GI Descrip.	(AB024437) peroxidase 1 [Scutellaria baicalensis]		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13990	Strand	+
Start	19327	End	24120
Name	OJ990201_04.9819.C28.o5.gp	Method	AAT/GAP
Start	23501	End	24120
GI	none	Score	1191
Exons	23501..24120		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13991	Strand	+
Start	24917	End	27542
Name	OJ990201_04.9819.C28.o8.gs	Method	GENSCAN
Start	24917	End	27542
GI	none	Score	.67
Exons	24917..25260, 25266..25630, 26064..26161, 26213..26327, 26642..26703, 26900..27059, 27121..27320, 27425..27542		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13992	Strand	-
Start	7645	End	12999
Name	OJ990201_04.9819.C28.o3.gs	Method	GENSCAN
Start	7645	End	12999
GI	none	Score	.72
Exons	7645..7766, 7908..8007, 8105..8260, 8769..9032, 9123..9337, 9423..10232, 11318..11871, 12052..12211, 12719..12767, 12955..12999		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13992	Strand	-
Start	7645	End	12999
Name	OJ990201_04.9819.C28.o2.np	Method	AAT/NAP
Start	7906	End	11909
GI	2191168	Score	604
Exons	7906..8260, 8769..9032, 9123..9368, 9400..10277, 11193..11492, 11523..11909		
GI Descrip.	(AF007270) contains similarity to myosin heavy chain [Arabidopsis thaliana]		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13992	Strand	-
Start	7645	End	12999
Name	OJ990201_04.9819.C28.o3.gp	Method	AAT/GAP
Start	9298	End	9803
GI	568359	Score	810
Exons	9298..9337, 9423..9803		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	4577	End	5858
GI	none	Score	235
Exons	4577..4762, 4594..4761, 4616..4762, 4868..5071, 4872..5108, 4873..5109, 4876..5112, 5180..5566, 5190..5573, 5191..5352, 5196..5588, 5565..5660, 5580..5651, 5624..5656, 5691..5780, 5718..5858		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o1.ts	Method	TBLASTX:Soybean
Start	4613	End	5768
GI	none	Score	215
Exons	4613..4762, 4615..4761, 4872..5108, 4873..5109, 5180..5659,		

5196..5654, 5706..5768, 5714..5767

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o1.tc	Method	TBLASTX:Cress
Start	5067	End	5656
GI	none	Score	61
Exons	5067..5105, 5068..5109, 5181..5648, 5196..5648, 5201..5656		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o1.tw	Method	TBLASTX:Wheat
Start	5262	End	5594
GI	none	Score	490
Exons	5262..5594, 5262..5594		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o3.tm	Method	TBLASTX:Maize
Start	7908	End	9043
GI	none	Score	98
Exons	7908..8000, 7924..8016, 7927..8016, 8099..8260, 8102..8260, 8106..8261, 8760..9038, 8768..9043, 8770..9039		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o2.ts	Method	TBLASTX:Soybean
Start	7918	End	9218
GI	none	Score	83
Exons	7918..8010, 8117..8254, 8196..8258, 8764..9045, 8778..9044, 9120..9218, 9124..9216		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o3.tc	Method	TBLASTX:Cress
Start	8838	End	9335
GI	none	Score	111
Exons	8838..9044, 8863..9033, 9120..9251, 9132..9242, 9309..9335		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o4.tm	Method	TBLASTX:Maize
Start	9661	End	10223
GI	none	Score	106
Exons	9661..9807, 9671..9808, 9672..9851, 9889..9933, 9910..9948, 9911..10090, 9914..10132, 9915..10133, 9991..10137, 9993..10136, 10134..10223, 10134..10220		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676

Name	OJ990201_04.9819.C28.o2.tm	Method	TBLASTX:Maize
Start	19536	End	23676
GI	none	Score	65
Exons	19536..19607, 19537..19662, 19539..19661, 22845..23135, 22855..23163, 23137..23466, 23139..23405, 23421..23558, 23424..23558, 23434..23676, 23476..23616		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o2.tc	Method	TBLASTX:Cress
Start	19537	End	23274
GI	none	Score	84
Exons	19537..19662, 22855..23055, 22989..23039, 23050..23274, 23079..23126, 23205..23273		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o3.ts	Method	TBLASTX:Soybean
Start	19537	End	23274
GI	none	Score	93
Exons	19537..19662, 22845..22877, 22855..22893, 22912..23049, 22989..23039, 23050..23274		

Seq. No.	6650	Seq. ID	OJ990201_04.9819.C28
Gene No.	13993	Strand	-
Start	22807	End	23676
Name	OJ990201_04.9819.C28.o7.gs	Method	GENSCAN
Start	22807	End	23646
GI	none	Score	.96
Exons	22807..23646		

Seq. No.	6651	Seq. ID	OJ990201_04.9819.C29
Gene No.	13994	Strand	+
Start	242	End	358
Name	OJ990201_04.9819.C29.o1.gs	Method	GENSCAN
Start	242	End	358
GI	none	Score	.47
Exons	242..358		

Seq. No.	6651	Seq. ID	OJ990201_04.9819.C29
Gene No.	13995	Strand	-
Start	3168	End	4213
Name	OJ990201_04.9819.C29.o2.gs	Method	GENSCAN
Start	3168	End	4213
GI	none	Score	.5
Exons	3168..3310, 3328..3601, 3960..4213		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o1.gs	Method	GENSCAN
Start	263	End	2443
GI	none	Score	.77
Exons	263..2443		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o1.np	Method	AAT/NAP
Start	263	End	2441
GI	6016874	Score	1796
Exons	263..341, 425..562, 627..859, 1250..1409, 1803..1982, 2100..2441		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	611	End	1057
GI	none	Score	69
Exons	611..697, 683..961, 706..891, 962..1024, 1019..1057		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o1.gp	Method	AAT/GAP
Start	952	End	1460
GI	uC-osflcyp110c07b1	Score	958
Exons	952..1460		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o3.tm	Method	TBLASTX:Maize
Start	1151	End	1465
GI	none	Score	65
Exons	1151..1225, 1238..1465, 1246..1464		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o4.tm	Method	TBLASTX:Maize
Start	1670	End	2022
GI	none	Score	239
Exons	1670..1951, 1681..2022		

Seq. No.	6652	Seq. ID	OJ990201_04.9819.C30
Gene No.	13996	Strand	+
Start	263	End	2443
Name	OJ990201_04.9819.C30.o2.tm	Method	TBLASTX:Maize
Start	2134	End	2377
GI	none	Score	282
Exons	2134..2292, 2144..2377		

Seq. No.	6653	Seq. ID	OJ990201_04.9819.C31
Gene No.	13997	Strand	+
Start	1	End	1382

Name	OJ990201_04.9819.C31.o1.np	Method	AAT/NAP
Start	1	End	1382
GI	6016874	Score	189
Exons	1..238, 1115..1382		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	6654	Seq. ID	OJ990201_04.9819.C32
Gene No.	13998	Strand	+
Start	596	End	671
Name	OJ990201_04.9819.C32.o1.gp	Method	AAT/GAP
Start	596	End	671
GI	27475_1.R1084	Score	99
Exons	596..671		
GI Descrip.	'3643085/gb|AAC36698| 4.0e-50 (AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]'		

Seq. No.	6655	Seq. ID	OJ990201_04.9819.C33
Gene No.	13999	Strand	-
Start	269	End	634
Name	OJ990201_04.9819.C33.o1.gs	Method	GENSCAN
Start	269	End	634
GI	none	Score	1
Exons	269..634		

Seq. No.	6656	Seq. ID	OJ990201_04.9819.C34
Gene No.	14000	Strand	+
Start	337	End	647
Name	OJ990201_04.9819.C34.o1.gs	Method	GENSCAN
Start	337	End	647
GI	none	Score	.54
Exons	337..647		

Seq. No.	6657	Seq. ID	OJ990201_04.9819.C35
Gene No.	14001	Strand	+
Start	132	End	743
Name	OJ990201_04.9819.C35.o1.np	Method	AAT/NAP
Start	132	End	743
GI	6907089	Score	789
Exons	132..743		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	6658	Seq. ID	OJ990201_04.9819.C36
Gene No.	14002	Strand	+
Start	1	End	1158
Name	OJ990201_04.9819.C36.o1.np	Method	AAT/NAP
Start	1	End	1158
GI	6539586	Score	1231
Exons	1..1158		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	6658	Seq. ID	OJ990201_04.9819.C36
Gene No.	14002	Strand	+
Start	1	End	1158
Name	OJ990201_04.9819.C36.o1.gs	Method	GENSCAN
Start	123	End	987

GI	none	Score	.81
Exons	123..161, 180..329, 589..987		

Seq. No.	6659	Seq. ID	OJ990201_04.9819.C37
Gene No.	14003	Strand	+
Start	85	End	231
Name	OJ990201_04.9819.C37.o1.gs	Method	GENSCAN
Start	85	End	231
GI	none	Score	.99
Exons	85..231		

Seq. No.	6659	Seq. ID	OJ990201_04.9819.C37
Gene No.	14004	Strand	-
Start	852	End	2316
Name	OJ990201_04.9819.C37.o2.gs	Method	GENSCAN
Start	852	End	2182
GI	none	Score	.51
Exons	852..2182		

Seq. No.	6659	Seq. ID	OJ990201_04.9819.C37
Gene No.	14004	Strand	-
Start	852	End	2316
Name	OJ990201_04.9819.C37.o1.np	Method	AAT/NAP
Start	855	End	2316
GI	6498441	Score	2159
Exons	855..1136, 1230..2316		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6659	Seq. ID	OJ990201_04.9819.C37
Gene No.	14004	Strand	-
Start	852	End	2316
Name	OJ990201_04.9819.C37.o2.tw	Method	TBLASTX:Wheat
Start	864	End	1472
GI	none	Score	69
Exons	864..989, 868..990, 1177..1461, 1182..1472		

Seq. No.	6659	Seq. ID	OJ990201_04.9819.C37
Gene No.	14004	Strand	-
Start	852	End	2316
Name	OJ990201_04.9819.C37.o1.tw	Method	TBLASTX:Wheat
Start	1593	End	1982
GI	none	Score	192
Exons	1593..1982, 1669..1959		

Seq. No.	6659	Seq. ID	OJ990201_04.9819.C37
Gene No.	14004	Strand	-
Start	852	End	2316
Name	OJ990201_04.9819.C37.o1.tm	Method	TBLASTX:Maize
Start	1623	End	1985
GI	none	Score	80
Exons	1623..1670, 1653..1865, 1662..1985, 1675..1956		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14005	Strand	+
Start	3333	End	3538

Name	OJ990201_04.9819.C38.o2.np	Method	AAT/NAP
Start	3333	End	3538
GI	4680186	Score	253
Exons	3333..3538		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14006	Strand	-
Start	1	End	3466
Name	OJ990201_04.9819.C38.o1.np	Method	AAT/NAP
Start	1	End	2334
GI	6498441	Score	2559
Exons	1..335, 507..1230, 1405..1539, 1722..2095, 2159..2334		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14006	Strand	-
Start	1	End	3466
Name	OJ990201_04.9819.C38.o1.gs	Method	GENSCAN
Start	117	End	3288
GI	none	Score	.73
Exons	117..1539, 1722..2095, 2242..2376, 3217..3288		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14006	Strand	-
Start	1	End	3466
Name	OJ990201_04.9819.C38.o1.gp	Method	AAT/GAP
Start	3085	End	3466
GI	uC-osf1cyp033a04b1	Score	671
Exons	3085..3466		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o3.tw	Method	TBLASTX:Wheat
Start	201	End	659
GI	none	Score	87
Exons	201..350, 202..339, 394..570, 411..635, 438..659		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o1.ts	Method	TBLASTX:Soybean
Start	1068	End	1469
GI	none	Score	90
Exons	1068..1469, 1279..1422		

Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o2.tw	Method	TBLASTX:Wheat
Start	1104	End	2951
GI	none	Score	310

Exons	1104..1517, 1105..1518, 2907..2951		
Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	1191	End	1575
GI	none	Score	231
Exons	1191..1571, 1210..1575		
Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o2.tm	Method	TBLASTX:Maize
Start	1602	End	1957
GI	none	Score	176
Exons	1602..1640, 1644..1922, 1652..1957		
Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o1.tw	Method	TBLASTX:Wheat
Start	1629	End	2087
GI	none	Score	218
Exons	1629..1871, 1631..2086, 1634..2086, 1638..2087		
Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o2.ts	Method	TBLASTX:Soybean
Start	1682	End	2047
GI	none	Score	117
Exons	1682..1816, 1823..2047		
Seq. No.	6660	Seq. ID	OJ990201_04.9819.C38
Gene No.	14007	Strand	-
Start	3928	End	4465
Name	OJ990201_04.9819.C38.o3.np	Method	AAT/NAP
Start	3928	End	4465
GI	6907087	Score	152
Exons	3928..4029, 4409..4465		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	6661	Seq. ID	OJ990201_04.9819.C39
Gene No.	14008	Strand	-
Start	1	End	1398
Name	OJ990201_04.9819.C39.o1.np	Method	AAT/NAP
Start	1	End	1398
GI	6498441	Score	1004
Exons	1..110, 350..575, 906..1398		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	6661	Seq. ID	OJ990201_04.9819.C39

Gene No.	14008	Strand	-
Start	1	End	1398
Name	OJ990201_04.9819.C39.o1.gs	Method	GENSCAN
Start	313	End	1326
GI	none	Score	.48
Exons	313..1326		

Seq. No.	6661	Seq. ID	OJ990201_04.9819.C39
Gene No.	14008	Strand	-
Start	1	End	1398
Name	OJ990201_04.9819.C39.o1.tw	Method	TBLASTX:Wheat
Start	346	End	691
GI	none	Score	109
Exons	346..690, 347..496, 361..690, 518..691		

Seq. No.	6662	Seq. ID	OJ990201_04.9819.C40
Gene No.	14009	Strand	-
Start	1	End	1963
Name	OJ990201_04.9819.C40.o1.np	Method	AAT/NAP
Start	1	End	1963
GI	5042454	Score	703
Exons	1..638, 691..789, 1905..1963		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6662	Seq. ID	OJ990201_04.9819.C40
Gene No.	14009	Strand	-
Start	1	End	1963
Name	OJ990201_04.9819.C40.o1.gs	Method	GENSCAN
Start	60	End	1498
GI	none	Score	.45
Exons	60..638, 691..897, 1270..1313, 1429..1498		

Seq. No.	6663	Seq. ID	OJ990201_04.9819.C43
Gene No.	14010	Strand	+
Start	82	End	421
Name	OJ990201_04.9819.C43.o1.np	Method	AAT/NAP
Start	82	End	421
GI	6907087	Score	247
Exons	82..421		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6664	Seq. ID	OJ990201_04.9819.C44
Gene No.	14011	Strand	+
Start	73	End	845
Name	OJ990201_04.9819.C44.o1.np	Method	AAT/NAP
Start	73	End	845
GI	6907087	Score	537
Exons	73..458, 509..845		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6664	Seq. ID	OJ990201_04.9819.C44
Gene No.	14012	Strand	-
Start	257	End	685

Name	OJ990201_04.9819.C44.o1.gs	Method	GENSCAN
Start	257	End	685
GI	none	Score	.6
Exons	257..685		

Seq. No.	6665	Seq. ID	OJ990301_08.9819.C3
Gene No.	14013	Strand	-
Start	294	End	364
Name	OJ990301_08.9819.C3.o1.gs	Method	GENSCAN
Start	294	End	364
GI	none	Score	.62
Exons	294..364		

Seq. No.	6666	Seq. ID	OJ990301_08.9819.C4
Gene No.	14014	Strand	+
Start	337	End	528
Name	OJ990301_08.9819.C4.o1.gs	Method	GENSCAN
Start	337	End	528
GI	none	Score	.56
Exons	337..528		

Seq. No.	6667	Seq. ID	OJ990301_08.9819.C8
Gene No.	14015	Strand	+
Start	624	End	743
Name	OJ990301_08.9819.C8.o1.gs	Method	GENSCAN
Start	624	End	743
GI	none	Score	.49
Exons	624..743		

Seq. No.	6668	Seq. ID	OJ990301_08.9819.C9
Gene No.	14016	Strand	+
Start	87	End	770
Name	OJ990301_08.9819.C9.o1.np	Method	AAT/NAP
Start	87	End	770
GI	4680186	Score	170
Exons	87..247, 715..770		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6669	Seq. ID	OJ990301_08.9819.C11
Gene No.	14017	Strand	-
Start	599	End	697
Name	OJ990301_08.9819.C11.o1.gs	Method	GENSCAN
Start	599	End	697
GI	none	Score	.44
Exons	599..697		

Seq. No.	6670	Seq. ID	OJ990301_08.9819.C17
Gene No.	14018	Strand	-
Start	1112	End	1609
Name	OJ990301_08.9819.C17.o1.gs	Method	GENSCAN
Start	1112	End	1609
GI	none	Score	.41
Exons	1112..1173, 1537..1609		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14019	Strand	+
Start	861	End	3497

Name	OJ990301_08.9819.C18.o1.gs	Method	GENSCAN
Start	861	End	3497
GI	none	Score	.86
Exons	861..964, 1644..1716, 3379..3497		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14020	Strand	+
Start	4301	End	9415
Name	OJ990301_08.9819.C18.o1.gp	Method	AAT/GAP
Start	4232	End	5744
GI	1050_1.R1084	Score	2030
Exons	4232..4451, 4556..4665, 5022..5744		
GI Descrip.	'2224915 1.0e-157 (U95968) beta-expansin [Oryza sativa]'		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14020	Strand	+
Start	4301	End	9415
Name	OJ990301_08.9819.C18.o1.np	Method	AAT/NAP
Start	4301	End	5543
GI	2224915	Score	1355
Exons	4301..4451, 4556..4665, 5022..5543		
GI Descrip.	(U95968) beta-expansin [Oryza sativa]		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14020	Strand	+
Start	4301	End	9415
Name	OJ990301_08.9819.C18.o2.gs	Method	GENSCAN
Start	4301	End	9415
GI	none	Score	.46
Exons	4301..4451, 4462..4665, 5022..5663, 5956..6131, 8898..9068, 9404..9415		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14021	Strand	+
Start	10317	End	11408
Name	OJ990301_08.9819.C18.o2.gp	Method	AAT/GAP
Start	10209	End	11010
GI	62731_1.R1084	Score	953
Exons	10209..10494, 10599..10708, 10881..11010		
GI Descrip.	'2224915 8.0e-37 (U95968) beta-expansin [Oryza sativa]'		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14021	Strand	+
Start	10317	End	11408
Name	OJ990301_08.9819.C18.o2.np	Method	AAT/NAP
Start	10317	End	11405
GI	4099919	Score	864
Exons	10317..10494, 10599..10722, 10889..11405		
GI Descrip.	(U91981) pollen allergen homolog [Triticum aestivum]		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14021	Strand	+
Start	10317	End	11408
Name	OJ990301_08.9819.C18.o3.gs	Method	GENSCAN
Start	10317	End	11408
GI	none	Score	.95
Exons	10317..10494, 10599..10708, 10881..11408		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14022	Strand	+
Start	26836	End	29862
Name	OJ990301_08.9819.C18.o8.gs	Method	GENSCAN
Start	26836	End	29862
GI	none	Score	.55
Exons	26836..26882, 28202..28274, 28882..28977, 29722..29862		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14023	Strand	-
Start	16781	End	18764
Name	OJ990301_08.9819.C18.o3.np	Method	AAT/NAP
Start	16781	End	18764
GI	2979555	Score	165
Exons	16781..16804, 18372..18764		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14024	Strand	-
Start	21131	End	22733
Name	OJ990301_08.9819.C18.o6.gs	Method	GENSCAN
Start	21131	End	22733
GI	none	Score	.8
Exons	21131..21305, 21728..21840, 21917..22255, 22656..22733		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14025	Strand	-
Start	23566	End	25555
Name	OJ990301_08.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	4297	End	10943
GI	none	Score	43
Exons	4297..4344, 4310..4369, 4391..4453, 4393..4452, 4554..4664, 4555..4668, 4622..4669, 5016..5084, 5021..5086, 10311..10436, 10401..10496, 10427..10495, 10435..10497, 10456..10539, 10604..10648, 10615..10713, 10616..10714, 10878..10943		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14025	Strand	-
Start	23566	End	25555
Name	OJ990301_08.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	4355	End	11411
GI	none	Score	121
Exons	4355..4453, 4390..4452, 4549..4665, 4554..4682, 4555..4668, 5016..5357, 5021..5338, 5271..5360, 5346..5423, 5348..5536, 5349..5540, 10391..10495, 10395..10496, 10435..10497, 10606..10704, 10607..10648, 10615..10713, 10616..10714, 10868..11059, 10878..11411, 10880..11407		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14025	Strand	-
Start	23566	End	25555
Name	OJ990301_08.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	4382	End	11405
GI	none	Score	74
Exons	4382..4444, 4543..4638, 4585..4668, 5016..5081, 5027..5080, 5096..5350, 5100..5351, 5367..5456, 5456..5497, 5457..5540,		

10359..10487, 10622..10714, 10878..10940, 10904..10939,
10955..11137, 10959..11198, 11220..11312, 11319..11405

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14025	Strand	-
Start	23566	End	25555
Name	OJ990301_08.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	5087	End	11423
GI	none	Score	87
Exons	5087..5140, 5087..5335, 5088..5339, 5316..5426, 5367..5549, 5369..5548, 10946..11059, 10946..11137, 10947..11204, 10977..11204, 11220..11423, 11222..11404		

Seq. No.	6671	Seq. ID	OJ990301_08.9819.C18
Gene No.	14025	Strand	-
Start	23566	End	25555
Name	OJ990301_08.9819.C18.o7.gs	Method	GENSCAN
Start	23566	End	25555
GI	none	Score	.58
Exons	23566..23741, 24149..24334, 24375..24443, 24596..24728, 24826..24974, 25074..25148, 25378..25555		

Seq. No.	6672	Seq. ID	OJ990301_08.9819.C19
Gene No.	14026	Strand	-
Start	472	End	570
Name	OJ990301_08.9819.C19.o1.gs	Method	GENSCAN
Start	472	End	570
GI	none	Score	.49
Exons	472..570		

Seq. No.	6673	Seq. ID	OJ990301_08.9819.C20
Gene No.	14027	Strand	-
Start	1	End	751
Name	OJ990301_08.9819.C20.o1.np	Method	AAT/NAP
Start	1	End	751
GI	4263784	Score	210
Exons	1..307, 590..751		
GI Descrip.	(AC006068) putative glycogenin [Arabidopsis thaliana]		

Seq. No.	6673	Seq. ID	OJ990301_08.9819.C20
Gene No.	14027	Strand	-
Start	1	End	751
Name	OJ990301_08.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	82	End	307
GI	none	Score	152
Exons	82..294, 98..307		

Seq. No.	6673	Seq. ID	OJ990301_08.9819.C20
Gene No.	14027	Strand	-
Start	1	End	751
Name	OJ990301_08.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	88	End	307
GI	none	Score	171
Exons	88..111, 93..293, 98..307		

Seq. No.	6673	Seq. ID	OJ990301_08.9819.C20
Gene No.	14027	Strand	-

Start	1	End	751
Name	OJ990301_08.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	88	End	299
GI	none	Score	114
Exons	88..270, 88..276, 92..295, 93..299, 98..292, 102..299		

Seq. No.	6674	Seq. ID	OJ990301_08.9819.C21
Gene No.	14028	Strand	-
Start	1	End	729
Name	OJ990301_08.9819.C21.o1.np	Method	AAT/NAP
Start	1	End	729
GI	4263784	Score	238
Exons	1..473, 619..729		
GI Descrip.	(AC006068) putative glycogenin [Arabidopsis thaliana]		

Seq. No.	6674	Seq. ID	OJ990301_08.9819.C21
Gene No.	14028	Strand	-
Start	1	End	729
Name	OJ990301_08.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	237	End	462
GI	none	Score	159
Exons	237..449, 251..460, 253..462		

Seq. No.	6674	Seq. ID	OJ990301_08.9819.C21
Gene No.	14028	Strand	-
Start	1	End	729
Name	OJ990301_08.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	243	End	462
GI	none	Score	195
Exons	243..452, 248..448, 253..462		

Seq. No.	6674	Seq. ID	OJ990301_08.9819.C21
Gene No.	14028	Strand	-
Start	1	End	729
Name	OJ990301_08.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	243	End	454
GI	none	Score	117
Exons	243..425, 243..431, 247..450, 248..454, 253..447, 257..454		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14029	Strand	+
Start	85	End	2169
Name	OJ990301_08.9819.C25.o1.gs	Method	GENSCAN
Start	85	End	2169
GI	none	Score	.56
Exons	85..197, 485..553, 757..825, 1633..1887, 2052..2169		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14029	Strand	+
Start	85	End	2169
Name	OJ990301_08.9819.C25.o1.gp	Method	AAT/GAP
Start	1229	End	1708
GI	none	Score	925
Exons	1229..1708		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-

Start	1591	End	5847
Name	OJ990301_08.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	1585	End	2110
GI	none	Score	584
Exons	1585..2100, 1586..2110, 1586..2101		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o1.np	Method	AAT/NAP
Start	1591	End	5847
GI	2245015	Score	1163
Exons	1591..2123, 2473..2674, 3345..3606, 4437..4626, 5708..5847		
GI Descrip.	(Z97341) glucosyltransferase like protein [Arabidopsis thaliana]		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o2.ts	Method	TBLASTX:Soybean
Start	1648	End	2131
GI	none	Score	146
Exons	1648..1803, 1685..1903, 1758..1904, 1843..1905, 1900..2025, 1901..1963, 2023..2130, 2024..2131		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o1.tc	Method	TBLASTX:Cress
Start	2023	End	2551
GI	none	Score	157
Exons	2023..2130, 2233..2382, 2235..2381, 2253..2384, 2480..2551		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o1.ts	Method	TBLASTX:Soybean
Start	2259	End	2681
GI	none	Score	140
Exons	2259..2381, 2260..2382, 2470..2652, 2470..2658, 2474..2677, 2475..2681, 2480..2674, 2484..2681		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o2.tm	Method	TBLASTX:Maize
Start	2298	End	4582
GI	none	Score	96
Exons	2298..2381, 2299..2382, 2470..2679, 2475..2675, 2480..2689, 3345..3530, 3349..3495, 3350..3496, 3549..3602, 4436..4582, 4440..4580		

Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o1.tw	Method	TBLASTX:Wheat
Start	2307	End	3401
GI	none	Score	53

Exons	2307..2381, 2308..2355, 2464..2676, 2478..2687, 2480..2689, 3345..3401, 3346..3399		
Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o2.gs	Method	GENSCAN
Start	2468	End	4759
GI	none	Score	.95
Exons	2468..2674, 3345..3606, 4437..4759		
Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o2.gp	Method	AAT/GAP
Start	3313	End	4610
GI	uC-osf1cyp172h02b1	Score	806
Exons	3313..3606, 4437..4610		
GI Descrip.	'2245015/emb|CAB10435.1| 3.0e-55 (Z97341) glucosyltransferase like protein [Arabidopsis thaliana]'		
Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o2.tc	Method	TBLASTX:Cress
Start	3498	End	4613
GI	none	Score	156
Exons	3498..3530, 3552..3602, 4436..4612, 4446..4613		
Seq. No.	6675	Seq. ID	OJ990301_08.9819.C25
Gene No.	14030	Strand	-
Start	1591	End	5847
Name	OJ990301_08.9819.C25.o3.ts	Method	TBLASTX:Soybean
Start	3549	End	4597
GI	none	Score	131
Exons	3549..3602, 4436..4597, 4440..4592		
Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14031	Strand	+
Start	1	End	1429
Name	OJ990301_08.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	1429
GI	6069646	Score	118
Exons	1..26, 1262..1429		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14031	Strand	+
Start	1	End	1429
Name	OJ990301_08.9819.C26.o1.gs	Method	GENSCAN
Start	337	End	516
GI	none	Score	.86
Exons	337..516		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14032	Strand	+
Start	7054	End	8959
Name	OJ990301_08.9819.C26.o3.gs	Method	GENSCAN
Start	7054	End	8959
GI	none	Score	.94
Exons	7054..7620, 7709..7945, 8039..8128, 8459..8566, 8852..8959		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14032	Strand	+
Start	7054	End	8959
Name	OJ990301_08.9819.C26.o2.gp	Method	AAT/GAP
Start	7860	End	8560
GI	none	Score	475
Exons	7860..7945, 8039..8128, 8459..8560		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14033	Strand	+
Start	12013	End	14500
Name	OJ990301_08.9819.C26.o5.gs	Method	GENSCAN
Start	12013	End	14500
GI	none	Score	.42
Exons	12013..12024, 13354..13588, 13911..14072, 14289..14500		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14034	Strand	+
Start	16319	End	16745
Name	OJ990301_08.9819.C26.o4.gp	Method	AAT/GAP
Start	16319	End	16745
GI	4878407	Score	676
Exons	16319..16745		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14035	Strand	+
Start	20362	End	22970
Name	OJ990301_08.9819.C26.o2.np	Method	AAT/NAP
Start	20339	End	22970
GI	6227010	Score	743
Exons	20339..20900, 21054..21124, 21216..21365, 22104..22189, 22268..22400, 22493..22666, 22770..22970		
GI Descrip.	(AC009513) Similar to gb|U87147 flavin-containing monooxygenase 3 from Mus musculus and is a member of the PF|00743 Flavin-binding monooxygenase-like family. [Arabidopsis thaliana]		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14035	Strand	+
Start	20362	End	22970
Name	OJ990301_08.9819.C26.o7.gs	Method	GENSCAN
Start	20362	End	22925
GI	none	Score	.94
Exons	20362..20900, 22268..22400, 22493..22666, 22722..22925		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14036	Strand	+

Start	23574	End	27733
Name	OJ990301_08.9819.C26.o8.gs	Method	GENSCAN
Start	23574	End	27733
GI	none	Score	.54
Exons	23574..23586, 24338..24408, 24497..24553, 24591..24735, 25634..25732, 27606..27733		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14037	Strand	-
Start	45	End	521
Name	OJ990301_08.9819.C26.o1.gp	Method	AAT/GAP
Start	45	End	521
GI	none	Score	835
Exons	45..521		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14038	Strand	-
Start	10418	End	10993
Name	OJ990301_08.9819.C26.o4.gs	Method	GENSCAN
Start	10418	End	10921
GI	none	Score	1
Exons	10418..10921		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14038	Strand	-
Start	10418	End	10993
Name	OJ990301_08.9819.C26.o3.gp	Method	AAT/GAP
Start	10541	End	10993
GI	uC-osrocyp013d05b1	Score	795
Exons	10541..10993		
GI Descrip.	'1084461/pir||S53012 6.0e-15 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]'		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	10415	End	10676
GI	none	Score	163
Exons	10415..10669, 10416..10676		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	10418	End	10669
GI	none	Score	143
Exons	10418..10669, 10422..10667		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o3.tm	Method	TBLASTX:Maize
Start	10419	End	10691
GI	none	Score	311
Exons	10419..10691, 10424..10669		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o2.tw	Method	TBLASTX:Wheat
Start	10424	End	10673
GI	none	Score	185
Exons	10424..10666, 10425..10673		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o6.gs	Method	GENSCAN
Start	15175	End	19484
GI	none	Score	.55
Exons	15175..15524, 16165..16290, 16448..16609, 16637..16721, 16856..17047, 18585..19061, 19416..19484		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o4.tw	Method	TBLASTX:Wheat
Start	17261	End	17698
GI	none	Score	238
Exons	17261..17698		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o6.tm	Method	TBLASTX:Maize
Start	17612	End	18001
GI	none	Score	173
Exons	17612..17671, 17705..18001		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	18099	End	18530
GI	none	Score	178
Exons	18099..18530, 18100..18477		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o4.ts	Method	TBLASTX:Soybean
Start	18120	End	18680
GI	none	Score	56
Exons	18120..18338, 18226..18318, 18330..18482, 18379..18483, 18522..18680, 18523..18669		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	18285	End	19190
GI	none	Score	191
Exons	18285..19190, 18286..18762, 18805..19077, 18837..19115		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o3.tw	Method	TBLASTX:Wheat
Start	18609	End	18950
GI	none	Score	82
Exons	18609..18761, 18610..18750, 18762..18950, 18763..18948		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14039	Strand	-
Start	15175	End	19484
Name	OJ990301_08.9819.C26.o5.tw	Method	TBLASTX:Wheat
Start	18951	End	19223
GI	none	Score	66
Exons	18951..19223, 18955..19077, 19099..19158		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14040	Strand	
Start	20374	End	20778
Name	OJ990301_08.9819.C26.o5.tm	Method	TBLASTX:Maize
Start	20374	End	20760
GI	none	Score	114
Exons	20374..20472, 20416..20517, 20502..20639, 20539..20619, 20643..20759, 20644..20760		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14040	Strand	
Start	20374	End	20778
Name	OJ990301_08.9819.C26.o3.ts	Method	TBLASTX:Soybean
Start	20380	End	20700
GI	none	Score	117
Exons	20380..20439, 20416..20526, 20436..20525, 20532..20612, 20536..20619, 20641..20700, 20643..20666		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14040	Strand	
Start	20374	End	20778
Name	OJ990301_08.9819.C26.o2.tc	Method	TBLASTX:Cress
Start	20416	End	20778
GI	none	Score	118
Exons	20416..20526, 20514..20606, 20536..20655, 20628..20777, 20647..20778		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14041	Strand	
Start	20852	End	21374
Name	OJ990301_08.9819.C26.o4.tm	Method	TBLASTX:Maize
Start	20852	End	21368
GI	none	Score	58
Exons	20852..20902, 21016..21114, 21019..21123, 21044..21124, 21047..21202, 21051..21137, 21213..21368, 21218..21367		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14041	Strand	
Start	20852	End	21374
Name	OJ990301_08.9819.C26.o5.ts	Method	TBLASTX:Soybean

Start	21065	End	21374
GI	none	Score	119
Exons	21065..21127, 21070..21120, 21213..21317, 21327..21374		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14042	Strand	
Start	22164	End	22895
Name	OJ990301_08.9819.C26.o2.ts	Method	TBLASTX:Soybean
Start	22164	End	22895
GI	none	Score	56
Exons	22164..22217, 22269..22307, 22304..22390, 22305..22400, 22484..22660, 22767..22895		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14042	Strand	
Start	22164	End	22895
Name	OJ990301_08.9819.C26.o2.tm	Method	TBLASTX:Maize
Start	22265	End	22895
GI	none	Score	223
Exons	22265..22399, 22266..22400, 22266..22400, 22267..22401, 22490..22678, 22767..22895, 22767..22874		

Seq. No.	6676	Seq. ID	OJ990301_08.9819.C26
Gene No.	14042	Strand	
Start	22164	End	22895
Name	OJ990301_08.9819.C26.o3.tc	Method	TBLASTX:Cress
Start	22304	End	22654
GI	none	Score	122
Exons	22304..22393, 22305..22394, 22502..22654		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14043	Strand	+
Start	1273	End	5262
Name	OJ990301_08.9819.C27.o1.gs	Method	GENSCAN
Start	1273	End	5262
GI	none	Score	.79
Exons	1273..2358, 3594..3647, 4398..5262		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14043	Strand	+
Start	1273	End	5262
Name	OJ990301_08.9819.C27.o1.np	Method	AAT/NAP
Start	1439	End	5259
GI	602292	Score	1777
Exons	1439..2358, 4398..5259		
GI Descrip.	(U17987) RCH2 protein [Brassica napus]		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14044	Strand	+
Start	5197	End	5775
Name	OJ990301_08.9819.C27.o1.gp	Method	AAT/GAP
Start	5197	End	5775
GI	none	Score	1050
Exons	5197..5775		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14045	Strand	+

Start	8751	End	9250
Name	OJ990301_08.9819.C27.o2.gp	Method	AAT/GAP
Start	8751	End	9250
GI	none	Score	856
Exons	8751..9250		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o4.tm	Method	TBLASTX:Maize
Start	1457	End	1846
GI	none	Score	329
Exons	1457..1711, 1540..1710, 1708..1815, 1709..1846		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o2.ts	Method	TBLASTX:Soybean
Start	1463	End	1831
GI	none	Score	491
Exons	1463..1831, 1543..1830		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o1.tc	Method	TBLASTX:Cress
Start	1475	End	5262
GI	none	Score	492
Exons	1475..1858, 1540..1830, 1937..2032, 1942..2016, 1994..2359, 2002..2247, 2323..2358, 4396..4686, 4497..4604, 4606..4824, 4731..4823, 4867..5058, 4869..5060, 5080..5262, 5133..5201		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o2.tw	Method	TBLASTX:Wheat
Start	1490	End	1768
GI	none	Score	207
Exons	1490..1768, 1550..1657, 1627..1764		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o6.ts	Method	TBLASTX:Soybean
Start	1972	End	2218
GI	none	Score	248
Exons	1972..2097, 1991..2218, 2149..2205		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o6.tm	Method	TBLASTX:Maize
Start	2000	End	2284
GI	none	Score	251
Exons	2000..2284, 2006..2092, 2014..2202		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27

Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	4447	End	5247
GI	none	Score	473
Exons	4447..4824, 4497..4823, 4861..5058, 4863..5057, 5080..5205, 5218..5247		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o1.ts	Method	TBLASTX:Soybean
Start	4582	End	5193
GI	none	Score	241
Exons	4582..4824, 4731..4814, 4860..5054, 4861..5064, 5065..5193		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o1.tw	Method	TBLASTX:Wheat
Start	4864	End	5199
GI	none	Score	151
Exons	4864..5076, 4866..5054, 5077..5199		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o2.gs	Method	GENSCAN
Start	6331	End	12511
GI	none	Score	.82
Exons	6331..6397, 8038..8155, 9102..9270, 9543..9656, 9737..9973, 10056..10196, 10350..10517, 10734..10889, 11098..11522, 11862..11949, 12158..12511		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o2.np	Method	AAT/NAP
Start	8244	End	12511
GI	3892709	Score	1421
Exons	8244..8273, 9543..9656, 9737..9973, 10056..10196, 10350..10517, 10734..10889, 11098..11312, 11376..11520, 12041..12511		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana]		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o2.tc	Method	TBLASTX:Cress
Start	9122	End	10112
GI	none	Score	121
Exons	9122..9283, 9130..9270, 9134..9295, 9538..9660, 9542..9661, 9546..9662, 9735..9842, 9737..9844, 9867..9950, 9872..9958, 10053..10112, 10063..10110		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511

Name	OJ990301_08.9819.C27.o9.tm	Method	TBLASTX:Maize
Start	9123	End	9270
GI	none	Score	78
Exons	9123..9212, 9123..9212, 9124..9216, 9124..9216, 9134..9220, 9220..9270, 9221..9265, 9222..9269		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o5.ts	Method	TBLASTX:Soybean
Start	9220	End	9947
GI	none	Score	71
Exons	9220..9270, 9221..9283, 9546..9662, 9550..9609, 9735..9839, 9737..9838, 9872..9946, 9885..9947		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o8.tm	Method	TBLASTX:Maize
Start	9540	End	9721
GI	none	Score	108
Exons	9540..9662, 9541..9615, 9541..9711, 9542..9721		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o3.tm	Method	TBLASTX:Maize
Start	9749	End	10380
GI	none	Score	172
Exons	9749..9979, 9749..9976, 10053..10199, 10054..10197, 10055..10198, 10342..10380, 10347..10379		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o4.ts	Method	TBLASTX:Soybean
Start	10068	End	10531
GI	none	Score	61
Exons	10068..10199, 10081..10197, 10342..10530, 10347..10529, 10349..10531		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o3.tc	Method	TBLASTX:Cress
Start	10113	End	11299
GI	none	Score	234
Exons	10113..10187, 10179..10274, 10305..10538, 10342..10518, 10347..10520, 10728..10889, 10728..10892, 10729..10890, 11097..11252, 11097..11270, 11098..11298, 11099..11299		

Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o7.tm	Method	TBLASTX:Maize
Start	10381	End	10775
GI	none	Score	201

Exons	10381..10521, 10383..10520, 10728..10775, 10728..10775		
Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o3.ts	Method	TBLASTX:Soybean
Start	10770	End	11301
GI	none	Score	89
Exons	10770..10889, 10773..10892, 10774..10890, 11097..11273, 11097..11273, 11098..11274, 11098..11301, 11099..11299		
Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o2.tm	Method	TBLASTX:Maize
Start	11096	End	12199
GI	none	Score	319
Exons	11096..11320, 11097..11405, 11098..11415, 11099..11401, 11400..11516, 11401..11526, 11418..11516, 11480..11524, 11863..11919, 11864..11920, 12146..12199, 12148..12198		
Seq. No.	6677	Seq. ID	OJ990301_08.9819.C27
Gene No.	14046	Strand	-
Start	6331	End	12511
Name	OJ990301_08.9819.C27.o5.tm	Method	TBLASTX:Maize
Start	12200	End	12490
GI	none	Score	255
Exons	12200..12490, 12201..12428		
Seq. No.	6678	Seq. ID	OJ990301_08.9819.C28
Gene No.	14047	Strand	-
Start	1	End	1261
Name	OJ990301_08.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	1248
GI	3892709	Score	158
Exons	1..147, 999..1248		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana]		
Seq. No.	6678	Seq. ID	OJ990301_08.9819.C28
Gene No.	14047	Strand	-
Start	1	End	1261
Name	OJ990301_08.9819.C28.o1.gs	Method	GENSCAN
Start	499	End	1248
GI	none	Score	.6
Exons	499..700, 880..1248		
Seq. No.	6678	Seq. ID	OJ990301_08.9819.C28
Gene No.	14047	Strand	-
Start	1	End	1261
Name	OJ990301_08.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	1006	End	1261
GI	none	Score	117
Exons	1006..1098, 1007..1099, 1213..1248, 1214..1261		
Seq. No.	6679	Seq. ID	OJ990301_08.9819.C30
Gene No.	14048	Strand	
Start	68	End	341

Name	OJ990301_08.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	68	End	341
GI	none	Score	179
Exons	68..187, 69..341, 209..328		

Seq. No.	6679	Seq. ID	OJ990301_08.9819.C30
Gene No.	14048	Strand	
Start	68	End	341
Name	OJ990301_08.9819.C30.o1.tw	Method	TBLASTX:Wheat
Start	69	End	341
GI	none	Score	238
Exons	69..341, 71..340		

Seq. No.	6680	Seq. ID	OJ990301_08.9819.C33
Gene No.	14049	Strand	-
Start	1	End	1664
Name	OJ990301_08.9819.C33.o1.np	Method	AAT/NAP
Start	1	End	1664
GI	4680186	Score	158
Exons	1..138, 583..736, 1544..1664		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	6680	Seq. ID	OJ990301_08.9819.C33
Gene No.	14049	Strand	-
Start	1	End	1664
Name	OJ990301_08.9819.C33.o1.gs	Method	GENSCAN
Start	23	End	748
GI	none	Score	.58
Exons	23..121, 550..748		

Seq. No.	6680	Seq. ID	OJ990301_08.9819.C33
Gene No.	14049	Strand	-
Start	1	End	1664
Name	OJ990301_08.9819.C33.o1.tw	Method	TBLASTX:Wheat
Start	956	End	1393
GI	none	Score	234
Exons	956..1393		

Seq. No.	6681	Seq. ID	OJ990301_08.9819.C35
Gene No.	14050	Strand	+
Start	1185	End	2282
Name	OJ990301_08.9819.C35.o1.np	Method	AAT/NAP
Start	1185	End	2282
GI	2346986	Score	366
Exons	1185..1330, 1451..1706, 1789..2282		
GI Descrip.	(AB006605) ZPT3-3 [Petunia x hybrida]		

Seq. No.	6681	Seq. ID	OJ990301_08.9819.C35
Gene No.	14050	Strand	+
Start	1185	End	2282
Name	OJ990301_08.9819.C35.o1.gs	Method	GENSCAN
Start	1185	End	2264
GI	none	Score	.71
Exons	1185..1605, 1714..2264		

Seq. No.	6681	Seq. ID	OJ990301_08.9819.C35
Gene No.	14051	Strand	+

Start	3201	End	5687
Name	OJ990301_08.9819.C35.o2.gs	Method	GENSCAN
Start	3201	End	5687
GI	none	Score	.45
Exons	3201..3385, 4110..4141, 5482..5687		

Seq. No.	6681	Seq. ID	OJ990301_08.9819.C35
Gene No.	14052	Strand	+
Start	7522	End	8539
Name	OJ990301_08.9819.C35.o3.gs	Method	GENSCAN
Start	7522	End	8539
GI	none	Score	.96
Exons	7522..7824, 7905..7964, 8071..8183, 8471..8539		

Seq. No.	6682	Seq. ID	OJ990301_08.9819.C37
Gene No.	14053	Strand	-
Start	1	End	126
Name	OJ990301_08.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	126
GI	3892709	Score	64
Exons	1..126		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana]		

Seq. No.	6682	Seq. ID	OJ990301_08.9819.C37
Gene No.	14054	Strand	-
Start	782	End	918
Name	OJ990301_08.9819.C37.o1.gs	Method	GENSCAN
Start	782	End	918
GI	none	Score	.4
Exons	782..918		

Seq. No.	6683	Seq. ID	OJ990301_08.9819.C41
Gene No.	14055	Strand	-
Start	24	End	1207
Name	OJ990301_08.9819.C41.o1.gs	Method	GENSCAN
Start	24	End	1207
GI	none	Score	.92
Exons	24..148, 1050..1207		

Seq. No.	6684	Seq. ID	OJ990301_08.9819.C44
Gene No.	14056	Strand	+
Start	322	End	446
Name	OJ990301_08.9819.C44.o1.gs	Method	GENSCAN
Start	322	End	446
GI	none	Score	.46
Exons	322..446		

Seq. No.	6685	Seq. ID	OJ990301_08.9819.C45
Gene No.	14057	Strand	+
Start	283	End	677
Name	OJ990301_08.9819.C45.o1.gp	Method	AAT/GAP
Start	283	End	677
GI	5056137	Score	598
Exons	283..677		

Seq. No.	6686	Seq. ID	OJ990301_08.9819.C49
Gene No.	14058	Strand	+

Start	221	End	737
Name	OJ990301_08.9819.C49.o1.tc	Method	TBLASTX:Cress
Start	111	End	261
GI	none	Score	224
Exons	111..260, 112..261, 114..260, 115..261		

Seq. No.	6686	Seq. ID	OJ990301_08.9819.C49
Gene No.	14058	Strand	+
Start	221	End	737
Name	OJ990301_08.9819.C49.o1.gs	Method	GENSCAN
Start	221	End	640
GI	none	Score	1
Exons	221..640		

Seq. No.	6686	Seq. ID	OJ990301_08.9819.C49
Gene No.	14058	Strand	+
Start	221	End	737
Name	OJ990301_08.9819.C49.o1.np	Method	AAT/NAP
Start	221	End	737
GI	5103193	Score	843
Exons	221..737		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	6687	Seq. ID	OJ990301_08.9819.C51
Gene No.	14059	Strand	+
Start	1	End	757
Name	OJ990301_08.9819.C51.o1.np	Method	AAT/NAP
Start	1	End	757
GI	602292	Score	416
Exons	1..122, 333..757		
GI Descrip.	(U17987) RCH2 protein [Brassica napus]		

Seq. No.	6687	Seq. ID	OJ990301_08.9819.C51
Gene No.	14059	Strand	+
Start	1	End	757
Name	OJ990301_08.9819.C51.o1.tc	Method	TBLASTX:Cress
Start	332	End	676
GI	none	Score	265
Exons	332..556, 334..528, 635..676		

Seq. No.	6687	Seq. ID	OJ990301_08.9819.C51
Gene No.	14059	Strand	+
Start	1	End	757
Name	OJ990301_08.9819.C51.o1.tm	Method	TBLASTX:Maize
Start	334	End	611
GI	none	Score	85
Exons	334..408, 350..409, 406..513, 407..544, 564..611		

Seq. No.	6687	Seq. ID	OJ990301_08.9819.C51
Gene No.	14059	Strand	+
Start	1	End	757
Name	OJ990301_08.9819.C51.o1.ts	Method	TBLASTX:Soybean
Start	334	End	529
GI	none	Score	244
Exons	334..528, 350..529		

Seq. No.	6687	Seq. ID	OJ990301_08.9819.C51
Gene No.	14059	Strand	+
Start	1	End	757
Name	OJ990301_08.9819.C51.o1.gs	Method	GENSCAN
Start	386	End	736
GI	none	Score	.78
Exons	386..736		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14060	Strand	+
Start	10715	End	15733
Name	OJ990301_09.9819.C1.o4.gs	Method	GENSCAN
Start	10715	End	15733
GI	none	Score	.81
Exons	10715..10754, 11003..11261, 11462..11545, 12065..12099, 13419..13527, 13618..13929, 14224..15733		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14060	Strand	+
Start	10715	End	15733
Name	OJ990301_09.9819.C1.o2.np	Method	AAT/NAP
Start	13364	End	15509
GI	6692260	Score	877
Exons	13364..13400, 14361..15325, 15435..15509		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14060	Strand	+
Start	10715	End	15733
Name	OJ990301_09.9819.C1.o3.gp	Method	AAT/GAP
Start	14161	End	14665
GI	none	Score	990
Exons	14161..14665		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14061	Strand	+
Start	21249	End	21328
Name	OJ990301_09.9819.C1.o5.gp	Method	AAT/GAP
Start	21249	End	21328
GI	38012_1.R1084	Score	101
Exons	21249..21328		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14062	Strand	+
Start	28328	End	28707
Name	OJ990301_09.9819.C1.o6.gp	Method	AAT/GAP
Start	28328	End	28707
GI	5004502	Score	536
Exons	28328..28707		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14063	Strand	+
Start	28667	End	35083
Name	OJ990301_09.9819.C1.o7.gp	Method	AAT/GAP

Start	28667	End	28886
GI	none	Score	210
Exons	28667..28740, 28830..28886		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14063	Strand	+
Start	28667	End	35083
Name	OJ990301_09.9819.C1.o6.gs	Method	GENSCAN
Start	28731	End	35083
GI	none	Score	.8
Exons	28731..28740, 28830..29010, 30222..30302, 30551..30633, 30724..30839, 30923..31033, 31140..31252, 31349..31655, 31742..31825, 32051..32122, 32731..32799, 33634..33741, 33798..33851, 34985..35083		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14063	Strand	+
Start	28667	End	35083
Name	OJ990301_09.9819.C1.o8.gp	Method	AAT/GAP
Start	32752	End	33551
GI	none	Score	694
Exons	32752..32799, 33227..33551		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14064	Strand	+
Start	39585	End	41152
Name	OJ990301_09.9819.C1.o8.gs	Method	GENSCAN
Start	39585	End	41152
GI	none	Score	.69
Exons	39585..39716, 40012..40194, 40380..40416, 40959..41152		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14064	Strand	+
Start	39585	End	41152
Name	OJ990301_09.9819.C1.o5.np	Method	AAT/NAP
Start	40266	End	40572
GI	6069646	Score	73
Exons	40266..40572		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14065	Strand	-
Start	468	End	1970
Name	OJ990301_09.9819.C1.o1.gs	Method	GENSCAN
Start	468	End	1970
GI	none	Score	.57
Exons	468..485, 790..1014, 1515..1587, 1732..1970		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14066	Strand	-
Start	7760	End	11297
Name	OJ990301_09.9819.C1.o1.gp	Method	AAT/GAP
Start	7264	End	8219

GI	41487_1.R1084	Score	1635
Exons	7264..7566, 7660..8219		
GI Descrip.	'322525/pir||S31445 7.0e-67 omnipotent suppressor protein SUP1 homolog (clone A18) - Arabidopsis thaliana (fragment) >gi_16512_emb_CAA49171_ (X69374) similar to yeast omnipotent suppressor protein SUP1 (SUP45); ORF [Arabidopsis thaliana]'		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14066	Strand	-
Start	7760	End	11297
Name	OJ990301_09.9819.C1.o3.gs	Method	GENSCAN
Start	7760	End	9073
GI	none	Score	.98
Exons	7760..9073		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14066	Strand	-
Start	7760	End	11297
Name	OJ990301_09.9819.C1.o1.np	Method	AAT/NAP
Start	7763	End	9070
GI	549010	Score	2013
Exons	7763..9070		
GI Descrip.	EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) gi|322554|pir||S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana gi|16514|emb|CAA49172| (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] gi|1402882|emb|CAA66813| (X98130) euka		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14066	Strand	-
Start	7760	End	11297
Name	OJ990301_09.9819.C1.o2.gp	Method	AAT/GAP
Start	8425	End	11297
GI	11928_1.R1084	Score	1489
Exons	8425..9101, 11215..11297		
GI Descrip.	'549010/sp|P35614|ERF1_ARATH 1.0e-107 EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) >gi_322554_pir__S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana >gi_16514_emb_CAA49172_ (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] >gi_1402882_emb_'		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14067	Strand	-
Start	15698	End	15900
Name	OJ990301_09.9819.C1.o4.gp	Method	AAT/GAP
Start	15698	End	15900
GI	none	Score	350
Exons	15698..15900		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14068	Strand	-
Start	16655	End	28414
Name	OJ990301_09.9819.C1.o5.gs	Method	GENSCAN

Start	16655	End	28414
GI	none	Score	.51
Exons	16655..16777, 16848..16889, 18182..18465, 19279..19349, 19506..19918, 20013..20143, 20794..20854, 23249..23415, 23682..23737, 23872..23900, 24806..25233, 25652..25853, 27013..27122, 27218..27360, 27795..27902, 28236..28414		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14069	Strand	-
Start	35391	End	39076
Name	OJ990301_09.9819.C1.o7.gs	Method	GENSCAN
Start	35391	End	37817
GI	none	Score	.61
Exons	35391..37817		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14069	Strand	-
Start	35391	End	39076
Name	OJ990301_09.9819.C1.o3.np	Method	AAT/NAP
Start	35394	End	39076
GI	4263522	Score	1280
Exons	35394..36815, 36945..37253, 37380..37623, 39035..39076		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	7454	End	9103
GI	none	Score	50
Exons	7454..7495, 7492..7566, 7532..7567, 7659..7709, 7686..9101, 7709..9103, 7711..9102		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	7721	End	9083
GI	none	Score	324
Exons	7721..9082, 7760..8191, 7824..9083		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	7784	End	9062
GI	none	Score	120
Exons	7784..9058, 7786..8013, 7802..8191, 7824..9062		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o3.tw	Method	TBLASTX:Wheat
Start	7787	End	7991
GI	none	Score	136
Exons	7787..7990, 7827..7991		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	8148	End	8600
GI	none	Score	611
Exons	8148..8591, 8148..8327, 8150..8599, 8361..8600		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	14420	End	15473
GI	none	Score	54
Exons	14420..14530, 14573..14767, 14599..14790, 14600..14791, 14612..14797, 14612..14791, 14626..14781, 14899..14961, 14900..14977, 14942..15229, 14987..15340, 14989..15318, 14990..15226, 15432..15473		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o4.tm	Method	TBLASTX:Maize
Start	14591	End	15361
GI	none	Score	159
Exons	14591..14764, 14599..14790, 14600..14797, 14612..14722, 14615..14797, 14615..14752, 14617..14790, 14899..15024, 14900..15037, 14900..15091, 14993..15313, 15067..15150, 15068..15151, 15136..15324, 15143..15361		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o4.tc	Method	TBLASTX:Cress
Start	14612	End	15361
GI	none	Score	97
Exons	14612..14791, 14626..14793, 14627..14782, 14654..14734, 14899..14961, 14900..15100, 14900..14977, 14993..15361, 15004..15291		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o6.tm	Method	TBLASTX:Maize
Start	24864	End	25229
GI	none	Score	113
Exons	24864..25100, 24871..25020, 24872..25108, 24974..25102, 25092..25229, 25139..25192, 25143..25226		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o5.tm	Method	TBLASTX:Maize
Start	30764	End	31250
GI	none	Score	98
Exons	30764..30838, 30768..30839, 30768..30839, 30769..30846, 30876..31034, 30911..31036, 30914..31039, 30922..31047,		

31133..31234, 31133..31234, 31137..31235, 31140..31250

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o5.ts	Method	TBLASTX:Soybean
Start	30907	End	31649
GI	none	Score	121
Exons	30907..31035, 30911..31036, 30926..31036, 31155..31277, 31353..31451, 31361..31423, 31515..31649, 31526..31609		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	31341	End	32804
GI	none	Score	436
Exons	31341..31655, 31347..31655, 31734..31820, 31741..31821, 31742..31828, 31906..31962, 31909..31962, 32026..32121, 32036..32122, 32045..32122, 32704..32802, 32730..32804		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o2.tc	Method	TBLASTX:Cress
Start	35389	End	35912
GI	none	Score	76
Exons	35389..35592, 35391..35519, 35391..35912, 35392..35703, 35740..35886		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o4.ts	Method	TBLASTX:Soybean
Start	35391	End	35684
GI	none	Score	161
Exons	35391..35684, 35392..35673		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o7.tm	Method	TBLASTX:Maize
Start	35391	End	35657
GI	none	Score	140
Exons	35391..35657, 35392..35598		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	35658	End	37246
GI	none	Score	176
Exons	35658..36527, 35680..36066, 36189..36524, 36210..36395, 36222..36485, 36289..36432, 36426..36701, 36501..36698, 36582..36620, 36612..36797, 36630..36803, 36630..36791, 36639..36791, 36828..37022, 36834..36914, 36834..37115, 36849..36938, 36900..37073, 36937..37053, 36942..37118,		

37047..37154, 37118..37183, 37145..37246

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o3.ts	Method	TBLASTX:Soybean
Start	35703	End	36212
GI	none	Score	150
Exons	35703..36212, 35706..36179		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	36090	End	37106
GI	none	Score	98
Exons	36090..36560, 36618..36797, 36834..36968, 36882..37106		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o3.tc	Method	TBLASTX:Cress
Start	36111	End	37265
GI	none	Score	108
Exons	36111..36221, 36150..36359, 36225..36791, 36231..36452, 36234..36509, 36480..36524, 36511..36762, 36522..36713, 36630..36797, 36834..36947, 36849..37151, 36853..37032, 36876..36923, 37020..37157, 37098..37148, 37164..37265, 37179..37259		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o6.ts	Method	TBLASTX:Soybean
Start	36252	End	37271
GI	none	Score	95
Exons	36252..36491, 36258..36461, 36286..36462, 36555..36698, 36648..36806, 36834..36905, 37074..37154, 37179..37271		

Seq. No.	6688	Seq. ID	OJ990301_09.9819.C1
Gene No.	14070	Strand	-
Start	42044	End	42124
Name	OJ990301_09.9819.C1.o9.gp	Method	AAT/GAP
Start	42044	End	42124
GI	uC-osflcyp121e07b1	Score	131
Exons	42044..42124		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 7.0e-19 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	6689	Seq. ID	OJ990301_09.9819.C2
Gene No.	14071	Strand	+
Start	360	End	2191
Name	OJ990301_09.9819.C2.o1.gs	Method	GENSCAN
Start	360	End	2191
GI	none	Score	.9
Exons	360..512, 1888..1938, 2105..2191		

Seq. No.	6689	Seq. ID	OJ990301_09.9819.C2
Gene No.	14072	Strand	+
Start	4314	End	5254
Name	OJ990301_09.9819.C2.o2.gs	Method	GENSCAN
Start	4314	End	5254
GI	none	Score	.82
Exons	4314..5169, 5199..5254		

Seq. No.	6690	Seq. ID	OJ990301_09.9819.C3
Gene No.	14073	Strand	+
Start	1	End	4573
Name	OJ990301_09.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	4573
GI	6503010	Score	932
Exons	1..191, 286..485, 3210..3451, 3740..4573		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		

Seq. No.	6690	Seq. ID	OJ990301_09.9819.C3
Gene No.	14073	Strand	+
Start	1	End	4573
Name	OJ990301_09.9819.C3.o1.gs	Method	GENSCAN
Start	97	End	4531
GI	none	Score	.84
Exons	97..191, 286..485, 3210..3451, 3740..4430, 4455..4531		

Seq. No.	6690	Seq. ID	OJ990301_09.9819.C3
Gene No.	14074	Strand	-
Start	1646	End	5450
Name	OJ990301_09.9819.C3.o3.ts	Method	TBLASTX:Soybean
Start	386	End	3450
GI	none	Score	101
Exons	386..487, 386..466, 3209..3307, 3314..3448, 3322..3450		

Seq. No.	6690	Seq. ID	OJ990301_09.9819.C3
Gene No.	14074	Strand	-
Start	1646	End	5450
Name	OJ990301_09.9819.C3.o2.np	Method	AAT/NAP
Start	1646	End	5450
GI	6721547	Score	78
Exons	1646..1681, 4394..4493, 5366..5450		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	6690	Seq. ID	OJ990301_09.9819.C3
Gene No.	14074	Strand	-
Start	1646	End	5450
Name	OJ990301_09.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	3212	End	3952
GI	none	Score	84
Exons	3212..3307, 3314..3451, 3325..3462, 3728..3952, 3793..3951		

Seq. No.	6690	Seq. ID	OJ990301_09.9819.C3
Gene No.	14074	Strand	-
Start	1646	End	5450
Name	OJ990301_09.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	3221	End	3973
GI	none	Score	358
Exons	3221..3451, 3230..3265, 3310..3450, 3724..3960, 3737..3973,		

3737..3949, 3793..3972

Seq. No.	6690	Seq. ID	OJ990301_09.9819.C3
Gene No.	14074	Strand	-
Start	1646	End	5450
Name	OJ990301_09.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	3737	End	4114
GI	none	Score	295
Exons	3737..3973, 3793..3951, 3992..4114		

Seq. No.	6690	Seq. ID	OJ990301_09.9819.C3
Gene No.	14074	Strand	-
Start	1646	End	5450
Name	OJ990301_09.9819.C3.o2.tm	Method	TBLASTX:Maize
Start	4187	End	4468
GI	none	Score	240
Exons	4187..4429, 4190..4468, 4201..4449		

Seq. No.	6690	Seq. ID	OJ990301_09.9819.C3
Gene No.	14074	Strand	-
Start	1646	End	5450
Name	OJ990301_09.9819.C3.o2.ts	Method	TBLASTX:Soybean
Start	4187	End	4468
GI	none	Score	212
Exons	4187..4396, 4189..4404, 4400..4468, 4408..4467		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14075	Strand	+
Start	570	End	2938
Name	OJ990301_09.9819.C4.o1.gs	Method	GENSCAN
Start	570	End	2938
GI	none	Score	.98
Exons	570..1394, 1495..1743, 1849..1940, 2158..2938		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14076	Strand	+
Start	5813	End	18230
Name	OJ990301_09.9819.C4.o3.gs	Method	GENSCAN
Start	5813	End	18230
GI	none	Score	.52
Exons	5813..5869, 9048..9373, 13029..13212, 13416..13546, 13891..13973, 15239..15382, 16960..17019, 17986..18230		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14076	Strand	+
Start	5813	End	18230
Name	OJ990301_09.9819.C4.o4.np	Method	AAT/NAP
Start	13107	End	17185
GI	4757880	Score	586
Exons	13107..13212, 13416..13546, 13891..13979, 15119..15382, 16348..16423, 16574..16654, 16733..16811, 16919..17019, 17116..17185		
GI Descrip.	BUB3 (budding uninhibited by benzimidazoles 3, yeast) homolog gi|2921873 (AF047472) spleen mitotic checkpoint BUB3 [Homo sapiens] gi|2981231|gb|AAC06258| (AF053304) mitotic checkpoint component Bub3 [Homo sapiens] gi|3639060 (AF081496) kinetochore protein BUB3 [Homo sapiens]		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14077	Strand	+
Start	20202	End	21275
Name	OJ990301_09.9819.C4.o5.np	Method	AAT/NAP
Start	20202	End	21275
GI	6522914	Score	236
Exons	20202..20361, 20773..21112, 21151..21275		
GI Descrip.	(AL132978) zinc-finger-like protein [Arabidopsis thaliana]		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14078	Strand	-
Start	1852	End	3708
Name	OJ990301_09.9819.C4.o2.np	Method	AAT/NAP
Start	1852	End	3708
GI	5852093	Score	68
Exons	1852..1882, 3559..3708		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14079	Strand	-
Start	4181	End	5433
Name	OJ990301_09.9819.C4.o2.gs	Method	GENSCAN
Start	4181	End	5433
GI	none	Score	.83
Exons	4181..4279, 4395..4460, 4577..4642, 4729..4932, 5029..5433		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14079	Strand	-
Start	4181	End	5433
Name	OJ990301_09.9819.C4.o3.np	Method	AAT/NAP
Start	4187	End	4932
GI	6693022	Score	269
Exons	4187..4288, 4346..4460, 4577..4642, 4729..4932		
GI Descrip.	(AC012375) T22C5.19 [Arabidopsis thaliana]		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14080	Strand	-
Start	18689	End	19243
Name	OJ990301_09.9819.C4.o4.gs	Method	GENSCAN
Start	18689	End	19243
GI	none	Score	.42
Exons	18689..18852, 19240..19243		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	741	End	992
GI	none	Score	46
Exons	741..791, 798..992		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	1596	End	2284

GI	none	Score	36
Exons	1596..1661, 1597..1677, 1660..1743, 1662..1745, 1678..1746, 1840..1938, 1847..1939, 1848..1940, 2155..2274, 2156..2284, 2163..2282		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	13059	End	22187
GI	none	Score	132
Exons	13059..13211, 13060..13212, 13147..13221, 13397..13585, 13413..13538, 13413..13589, 13414..13548, 13889..13975, 15103..15177, 15111..15185, 15111..15176, 15118..15159, 15163..15321, 15186..15380, 15189..15389, 15190..15393, 16343..16435, 16344..16436, 16572..16655, 16574..16657, 16575..16661, 16734..16811, 16734..16793, 16736..16804, 16879..17013, 16916..17014, 16927..17013, 16929..17021, 17114..17179, 17122..17178, 22107..22187		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	13123	End	22187
GI	none	Score	124
Exons	13123..13212, 13125..13211, 13147..13221, 13397..13540, 13413..13538, 13413..13562, 13889..13975, 15103..15177, 15111..15176, 15123..15185, 15184..15306, 15186..15380, 15189..15392, 15190..15393, 15191..15406, 16343..16435, 16344..16436, 16572..16655, 22107..22187		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	20773	End	21108
GI	none	Score	47
Exons	20773..20826, 20881..20955, 20886..20954, 20887..20949, 21013..21099, 21016..21108, 21031..21108		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	20773	End	21207
GI	none	Score	56
Exons	20773..20820, 20881..20955, 20881..20949, 20886..20951, 21016..21111, 21031..21111, 21184..21207		

Seq. No.	6691	Seq. ID	OJ990301_09.9819.C4
Gene No.	14081	Strand	-
Start	21488	End	22187
Name	OJ990301_09.9819.C4.o6.gs	Method	GENSCAN
Start	21488	End	21910
GI	none	Score	.8
Exons	21488..21910		

Seq. No.	6692	Seq. ID	OJ990301_09.9819.C6
Gene No.	14082	Strand	-
Start	27	End	223
Name	OJ990301_09.9819.C6.o1.gs	Method	GENSCAN
Start	27	End	223
GI	none	Score	.81
Exons	27..223		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14083	Strand	+
Start	3042	End	4850
Name	OJ990301_09.9819.C7.o1.np	Method	AAT/NAP
Start	3042	End	4850
GI	4468990	Score	1136
Exons	3042..3209, 3327..3553, 3580..4408, 4436..4850		
GI Descrip.	(AL035605) putative protein [Arabidopsis thaliana]		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14084	Strand	-
Start	9652	End	11806
Name	OJ990301_09.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	3624	End	4001
GI	none	Score	357
Exons	3624..3929, 3641..3931, 3969..4001		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14084	Strand	-
Start	9652	End	11806
Name	OJ990301_09.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	3698	End	4415
GI	none	Score	138
Exons	3698..3814, 3699..3818, 3806..3925, 3807..3929, 3969..4052, 3974..4015, 4118..4183, 4122..4205, 4308..4415		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14084	Strand	-
Start	9652	End	11806
Name	OJ990301_09.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	4292	End	4854
GI	none	Score	193
Exons	4292..4315, 4293..4424, 4371..4406, 4431..4850, 4463..4849, 4733..4852, 4786..4854		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14084	Strand	-
Start	9652	End	11806
Name	OJ990301_09.9819.C7.o2.tc	Method	TBLASTX:Cress
Start	4581	End	4847
GI	none	Score	119
Exons	4581..4691, 4671..4733, 4788..4847		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14084	Strand	-
Start	9652	End	11806
Name	OJ990301_09.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	4671	End	4862

GI	none	Score	122
Exons	4671..4760, 4689..4760, 4755..4844, 4782..4862, 4789..4845		

Seq. No.	6693	Seq. ID	OJ990301_09.9819.C7
Gene No.	14084	Strand	-
Start	9652	End	11806
Name	OJ990301_09.9819.C7.o2.gs	Method	GENSCAN
Start	9652	End	11806
GI	none	Score	.62
Exons	9652..9701, 9958..10019, 11781..11806		

Seq. No.	6694	Seq. ID	OJ990301_09.9819.C8
Gene No.	14085	Strand	-
Start	405	End	646
Name	OJ990301_09.9819.C8.o1.gs	Method	GENSCAN
Start	405	End	646
GI	none	Score	.5
Exons	405..646		

Seq. No.	6695	Seq. ID	OJ990301_09.9819.C9
Gene No.	14086	Strand	+
Start	172	End	249
Name	OJ990301_09.9819.C9.o1.gs	Method	GENSCAN
Start	172	End	249
GI	none	Score	.43
Exons	172..249		

Seq. No.	6696	Seq. ID	OJ990301_09.9819.C11
Gene No.	14087	Strand	+
Start	210	End	3430
Name	OJ990301_09.9819.C11.o1.gs	Method	GENSCAN
Start	210	End	3430
GI	none	Score	.49
Exons	210..366, 1133..1197, 1332..1383, 1440..1522, 1764..1905, 2843..2931, 3189..3430		

Seq. No.	6697	Seq. ID	OJ990301_09.9819.C12
Gene No.	14088	Strand	+
Start	538	End	712
Name	OJ990301_09.9819.C12.o1.gs	Method	GENSCAN
Start	538	End	712
GI	none	Score	.99
Exons	538..712		

Seq. No.	6698	Seq. ID	OJ990301_09.9819.C15
Gene No.	14089	Strand	+
Start	111	End	578
Name	OJ990301_09.9819.C15.o1.gs	Method	GENSCAN
Start	111	End	578
GI	none	Score	.99
Exons	111..278, 375..578		

Seq. No.	6699	Seq. ID	OJ990301_09.9819.C16
Gene No.	14090	Strand	-
Start	455	End	662
Name	OJ990301_09.9819.C16.o1.gs	Method	GENSCAN
Start	455	End	662

GI	none	Score	.72
Exons	455..662		

Seq. No.	6700	Seq. ID	OJ990301_09.9819.C17
Gene No.	14091	Strand	+
Start	421	End	624
Name	OJ990301_09.9819.C17.o1.gs	Method	GENSCAN
Start	421	End	624
GI	none	Score	.67
Exons	421..624		

Seq. No.	6701	Seq. ID	OJ990301_09.9819.C18
Gene No.	14092	Strand	-
Start	324	End	454
Name	OJ990301_09.9819.C18.o1.gs	Method	GENSCAN
Start	324	End	454
GI	none	Score	.79
Exons	324..454		

Seq. No.	6702	Seq. ID	OJ990301_09.9819.C19
Gene No.	14093	Strand	+
Start	345	End	824
Name	OJ990301_09.9819.C19.o1.gs	Method	GENSCAN
Start	345	End	752
GI	none	Score	.98
Exons	345..752		

Seq. No.	6702	Seq. ID	OJ990301_09.9819.C19
Gene No.	14093	Strand	+
Start	345	End	824
Name	OJ990301_09.9819.C19.o1.np	Method	AAT/NAP
Start	348	End	824
GI	549010	Score	637
Exons	348..824		
GI Descrip.	EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) gi|322554|pir||S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana gi|16514|emb|CAA49172| (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] gi|1402882|emb|CAA66813| (X98130) euka		

Seq. No.	6702	Seq. ID	OJ990301_09.9819.C19
Gene No.	14094	Strand	-
Start	315	End	824
Name	OJ990301_09.9819.C19.o1.gp	Method	AAT/GAP
Start	315	End	824
GI	11928_1.R1084	Score	904
Exons	315..824		
GI Descrip.	'549010/sp|P35614|ERF1_ARATH 1.0e-107 EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) >gi_322554_pir__S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana >gi_16514_emb_CAA49172_ (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] >gi_1402882_emb_'		

Seq. No.	6702	Seq. ID	OJ990301_09.9819.C19
Gene No.	14094	Strand	-
Start	315	End	824
Name	OJ990301_09.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	315	End	822
GI	none	Score	681
Exons	315..734, 315..374, 317..733, 744..812, 745..822, 748..813	424..735, 429..734, 743..811,	

Seq. No.	6702	Seq. ID	OJ990301_09.9819.C19
Gene No.	14094	Strand	-
Start	315	End	824
Name	OJ990301_09.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	333	End	822
GI	none	Score	600
Exons	333..734, 338..622, 427..732, 745..822	429..734, 743..811, 744..812,	

Seq. No.	6702	Seq. ID	OJ990301_09.9819.C19
Gene No.	14094	Strand	-
Start	315	End	824
Name	OJ990301_09.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	335	End	822
GI	none	Score	612
Exons	335..733, 336..734, 745..822,	747..821	

Seq. No.	6703	Seq. ID	OJ990301_09.9819.C20
Gene No.	14095	Strand	+
Start	142	End	435
Name	OJ990301_09.9819.C20.o1.gs	Method	GENSCAN
Start	142	End	435
GI	none	Score	.91
Exons	142..435		

Seq. No.	6703	Seq. ID	OJ990301_09.9819.C20
Gene No.	14096	Strand	-
Start	873	End	1228
Name	OJ990301_09.9819.C20.o2.gs	Method	GENSCAN
Start	873	End	1137
GI	none	Score	.98
Exons	873..971, 1087..1137		

Seq. No.	6703	Seq. ID	OJ990301_09.9819.C20
Gene No.	14096	Strand	-
Start	873	End	1228
Name	OJ990301_09.9819.C20.o1.np	Method	AAT/NAP
Start	879	End	1228
GI	6693022	Score	150
Exons	879..980, 1038..1228		
GI Descrip.	(AC012375) T22C5.19 [Arabidopsis thaliana]		

Seq. No.	6704	Seq. ID	OJ990301_09.9819.C21
Gene No.	14097	Strand	+
Start	190	End	525
Name	OJ990301_09.9819.C21.o1.gs	Method	GENSCAN
Start	190	End	525
GI	none	Score	.89

Exons	190..267, 307..525		
Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	1039
GI	6646754	Score	920
Exons	1..1039		
GI Descrip.	(AC013258) unknown protein [Arabidopsis thaliana]		
Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o2.tm	Method	TBLASTX:Maize
Start	271	End	516
GI	none	Score	335
Exons	271..516, 273..515		
Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o2.ts	Method	TBLASTX:Soybean
Start	273	End	458
GI	none	Score	206
Exons	273..458, 274..453		
Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o1.gs	Method	GENSCAN
Start	333	End	935
GI	none	Score	.62
Exons	333..476, 585..935		
Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o1.gp	Method	AAT/GAP
Start	364	End	820
GI	none	Score	902
Exons	364..820		
Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	459	End	1004
GI	none	Score	393
Exons	459..890, 460..891, 676..903, 900..1004, 904..1002		
Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	516	End	1032
GI	none	Score	408

Exons	516..1004, 516..1004, 517..1032, 625..1023		
Seq. No.	6705	Seq. ID	OJ990301_09.9819.C22
Gene No.	14098	Strand	-
Start	1	End	1039
Name	OJ990301_09.9819.C22.o1.tc	Method	TBLASTX:Cress
Start	555	End	891
GI	none	Score	57
Exons	555..593, 559..591, 603..890, 622..891		
Seq. No.	6706	Seq. ID	OJ990301_09.9819.C23
Gene No.	14099	Strand	+
Start	275	End	835
Name	OJ990301_09.9819.C23.o1.np	Method	AAT/NAP
Start	275	End	835
GI	6721547	Score	87
Exons	275..359, 814..835		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	6707	Seq. ID	OJ990301_09.9819.C24
Gene No.	14100	Strand	+
Start	108	End	410
Name	OJ990301_09.9819.C24.o1.gs	Method	GENSCAN
Start	108	End	410
GI	none	Score	.44
Exons	108..410		
Seq. No.	6708	Seq. ID	OJ990301_09.9819.C25
Gene No.	14101	Strand	-
Start	461	End	569
Name	OJ990301_09.9819.C25.o1.gs	Method	GENSCAN
Start	461	End	569
GI	none	Score	.55
Exons	461..569		
Seq. No.	6709	Seq. ID	OJ990301_09.9819.C28
Gene No.	14102	Strand	-
Start	58	End	474
Name	OJ990301_09.9819.C28.o1.gs	Method	GENSCAN
Start	58	End	474
GI	none	Score	.43
Exons	58..474		
Seq. No.	6710	Seq. ID	OJ990301_09.9819.C29
Gene No.	14103	Strand	+
Start	160	End	705
Name	OJ990301_09.9819.C29.o1.gs	Method	GENSCAN
Start	160	End	705
GI	none	Score	.41
Exons	160..383, 596..705		
Seq. No.	6711	Seq. ID	OJ990301_09.9819.C30
Gene No.	14104	Strand	+
Start	130	End	239
Name	OJ990301_09.9819.C30.o1.gs	Method	GENSCAN
Start	130	End	239
GI	none	Score	.91

Exons	130..239		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14105	Strand	+
Start	1404	End	4904
Name	OJ990301_09.9819.C31.o1.np	Method	AAT/NAP
Start	1404	End	4904
GI	6723435	Score	329
Exons	1404..1909, 2974..3157, 3233..3415, 4885..4904		
GI Descrip.	(AL132965) putative protein [Arabidopsis thaliana]		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14105	Strand	+
Start	1404	End	4904
Name	OJ990301_09.9819.C31.o1.gs	Method	GENSCAN
Start	1424	End	3819
GI	none	Score	.84
Exons	1424..1909, 2974..3819		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14106	Strand	+
Start	6705	End	9768
Name	OJ990301_09.9819.C31.o2.gs	Method	GENSCAN
Start	6705	End	9768
GI	none	Score	.41
Exons	6705..6869, 8680..9768		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14106	Strand	+
Start	6705	End	9768
Name	OJ990301_09.9819.C31.o2.np	Method	AAT/NAP
Start	6713	End	9765
GI	6646754	Score	1412
Exons	6713..6897, 8690..9765		
GI Descrip.	(AC013258) unknown protein [Arabidopsis thaliana]		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14106	Strand	+
Start	6705	End	9768
Name	OJ990301_09.9819.C31.o1.gp	Method	AAT/GAP
Start	8906	End	9362
GI	none	Score	858
Exons	8906..9362		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o2.tm	Method	TBLASTX:Maize
Start	6807	End	9138
GI	none	Score	93
Exons	6807..6872, 8675..8854, 8679..9101, 8682..9137, 8683..9138		
Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	8683	End	9267

GI	none	Score	131
Exons	8683..8826, 8685..8822, 8823..8927, 8835..9266, 8836..9267		

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	8835	End	9171
GI	none	Score	304
Exons	8835..9104, 8836..9123, 9133..9171, 9135..9167		

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	9140	End	9773
GI	none	Score	67
Exons	9140..9214, 9144..9770, 9144..9773, 9145..9771		

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o2.ts	Method	TBLASTX:Soybean
Start	9268	End	9594
GI	none	Score	536
Exons	9268..9594, 9270..9593		

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o2.tc	Method	TBLASTX:Cress
Start	9535	End	9768
GI	none	Score	127
Exons	9535..9642, 9558..9623, 9637..9768, 9639..9767		

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o3.ts	Method	TBLASTX:Soybean
Start	9594	End	9788
GI	none	Score	240
Exons	9594..9788, 9595..9786		

Seq. No.	6712	Seq. ID	OJ990301_09.9819.C31
Gene No.	14107	Strand	-
Start	11136	End	14763
Name	OJ990301_09.9819.C31.o3.gs	Method	GENSCAN
Start	11136	End	14763
GI	none	Score	.73
Exons	11136..11354, 11394..11471, 11597..11749, 12650..13225, 13325..13645, 14540..14763		

Seq. No.	6713	Seq. ID	OJ990301_09.9819.C32
Gene No.	14108	Strand	+
Start	430	End	1922
Name	OJ990301_09.9819.C32.o1.gs	Method	GENSCAN
Start	430	End	1922

GI	none	Score	.57
Exons	430..447, 1761..1922		
Seq. No.	6714	Seq. ID	OJ990301_09.9819.C33
Gene No.	14109	Strand	+
Start	236	End	387
Name	OJ990301_09.9819.C33.o1.gs	Method	GENSCAN
Start	236	End	387
GI	none	Score	.96
Exons	236..387		
Seq. No.	6715	Seq. ID	OJ990301_09.9819.C34
Gene No.	14110	Strand	-
Start	43	End	333
Name	OJ990301_09.9819.C34.o1.gs	Method	GENSCAN
Start	43	End	333
GI	none	Score	.45
Exons	43..333		
Seq. No.	6716	Seq. ID	OJ990301_09.9819.C39
Gene No.	14111	Strand	+
Start	1	End	215
Name	OJ990301_09.9819.C39.o1.np	Method	AAT/NAP
Start	1	End	192
GI	6646754	Score	172
Exons	1..192		
GI Descrip.	(AC013258) unknown protein [Arabidopsis thaliana]		
Seq. No.	6716	Seq. ID	OJ990301_09.9819.C39
Gene No.	14111	Strand	+
Start	1	End	215
Name	OJ990301_09.9819.C39.o1.tm	Method	TBLASTX:Maize
Start	67	End	200
GI	none	Score	210
Exons	67..198, 70..198, 72..200		
Seq. No.	6716	Seq. ID	OJ990301_09.9819.C39
Gene No.	14111	Strand	+
Start	1	End	215
Name	OJ990301_09.9819.C39.o1.ts	Method	TBLASTX:Soybean
Start	69	End	215
GI	none	Score	82
Exons	69..200, 69..215, 70..213		
Seq. No.	6716	Seq. ID	OJ990301_09.9819.C39
Gene No.	14111	Strand	+
Start	1	End	215
Name	OJ990301_09.9819.C39.o1.tc	Method	TBLASTX:Cress
Start	70	End	195
GI	none	Score	177
Exons	70..195, 72..194		
Seq. No.	6717	Seq. ID	OJ990301_09.9819.C40
Gene No.	14112	Strand	+
Start	149	End	560
Name	OJ990301_09.9819.C40.o1.gs	Method	GENSCAN
Start	149	End	560

GI	none	Score	.64
Exons	149..229, 478..560		

Seq. No.	6718	Seq. ID	OJ990311_09.9819.C1
Gene No.	14113	Strand	+
Start	22	End	408
Name	OJ990311_09.9819.C1.o1.gs	Method	GENSCAN
Start	22	End	276
GI	none	Score	.55
Exons	22..93, 189..276		

Seq. No.	6718	Seq. ID	OJ990311_09.9819.C1
Gene No.	14113	Strand	+
Start	22	End	408
Name	OJ990311_09.9819.C1.o1.gp	Method	AAT/GAP
Start	47	End	408
GI	72807_1.R1084	Score	204
Exons	47..93, 189..276, 367..408		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 6.0e-22 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	6719	Seq. ID	OJ990311_09.9819.C5
Gene No.	14114	Strand	+
Start	103	End	297
Name	OJ990311_09.9819.C5.o1.gs	Method	GENSCAN
Start	103	End	297
GI	none	Score	1
Exons	103..297		

Seq. No.	6719	Seq. ID	OJ990311_09.9819.C5
Gene No.	14114	Strand	+
Start	103	End	297
Name	OJ990311_09.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	110	End	292
GI	none	Score	164
Exons	110..253, 120..242, 248..292, 251..292		

Seq. No.	6720	Seq. ID	OJ990311_09.9819.C8
Gene No.	14115	Strand	-
Start	190	End	244
Name	OJ990311_09.9819.C8.o1.gs	Method	GENSCAN
Start	190	End	244
GI	none	Score	.78
Exons	190..244		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14116	Strand	+
Start	9163	End	10029
Name	OJ990311_09.9819.C9.o2.gs	Method	GENSCAN
Start	9163	End	10029
GI	none	Score	.4
Exons	9163..9305, 9807..10029		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14117	Strand	+
Start	13166	End	14092
Name	OJ990311_09.9819.C9.o4.gs	Method	GENSCAN

Start	13166	End	14092
GI	none	Score	.97
Exons	13166..13423, 13529..14092		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14117	Strand	+
Start	13166	End	14092
Name	OJ990311_09.9819.C9.o3.np	Method	AAT/NAP
Start	13529	End	14092
GI	3152583	Score	136
Exons	13529..14092		
GI Descrip.	(AC002986) Contains similarity to inhibitor of apoptosis protein gb|U45881 from D. melanogaster. [Arabidopsis thaliana]		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14118	Strand	+
Start	14565	End	14895
Name	OJ990311_09.9819.C9.o5.gs	Method	GENSCAN
Start	14565	End	14895
GI	none	Score	.48
Exons	14565..14623, 14766..14895		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14119	Strand	-
Start	3188	End	7614
Name	OJ990311_09.9819.C9.o1.gs	Method	GENSCAN
Start	3188	End	7614
GI	none	Score	.65
Exons	3188..3359, 4320..4449, 6607..6732, 6903..6930, 7480..7614		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14120	Strand	-
Start	12430	End	12967
Name	OJ990311_09.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	5936	End	6298
GI	none	Score	82
Exons	5936..6298, 5937..6038		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14120	Strand	-
Start	12430	End	12967
Name	OJ990311_09.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	6029	End	6500
GI	none	Score	95
Exons	6029..6106, 6128..6499, 6299..6493, 6309..6500		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14120	Strand	-
Start	12430	End	12967
Name	OJ990311_09.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	6398	End	6947
GI	none	Score	73
Exons	6398..6496, 6575..6709, 6600..6704, 6702..6947		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14120	Strand	-
Start	12430	End	12967

Name	OJ990311_09.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	6572	End	7097
GI	none	Score	69
Exons	6572..6676, 6600..6695, 6744..7097, 6772..6966		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14120	Strand	-
Start	12430	End	12967
Name	OJ990311_09.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	6720	End	7010
GI	none	Score	229
Exons	6720..7001, 6730..6987, 6776..7000, 6858..7010		

Seq. No.	6721	Seq. ID	OJ990311_09.9819.C9
Gene No.	14120	Strand	-
Start	12430	End	12967
Name	OJ990311_09.9819.C9.o3.gs	Method	GENSCAN
Start	12430	End	12967
GI	none	Score	.85
Exons	12430..12488, 12736..12967		

Seq. No.	6722	Seq. ID	OJ990311_09.9819.C10
Gene No.	14121	Strand	+
Start	5797	End	26988
Name	OJ990311_09.9819.C10.o2.gs	Method	GENSCAN
Start	5797	End	26579
GI	none	Score	.82
Exons	5797..5869, 6496..6613, 6945..7009, 7108..7426, 7919..7997, 8232..8397, 9210..9313, 9405..9539, 9624..9674, 9848..9942, 10014..10131, 11376..11558, 11636..11796, 12465..12635, 13505..13982, 14277..14372, 14453..14520, 14798..14918, 15000..15176, 16420..16450, 17560..17729, 17799..17873, 18210..18701, 18831..19163, 19245..19376, 19525..19638, 19723..19907, 19989..20097, 20764..20907, 21036..21326, 21450..22103, 22260..22448, 23385..23488, 24258..24510, 24890..25062, 25216..25557, 25638..26124, 26448..26579		

Seq. No.	6722	Seq. ID	OJ990311_09.9819.C10
Gene No.	14121	Strand	+
Start	5797	End	26988
Name	OJ990311_09.9819.C10.o1.np	Method	AAT/NAP
Start	9860	End	20133
GI	2245072	Score	2448
Exons	9860..9955, 10009..10278, 10706..10807, 11368..11558, 11636..11798, 12359..12635, 13505..13594, 13664..13982, 14277..14372, 15000..15176, 15271..15480, 16429..16529, 17099..17195, 17405..17503, 17580..17729, 17799..17873, 18119..18277, 18338..18460, 18523..18701, 18831..19165, 19245..19396, 19475..19638, 19723..19907, 19989..20133		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6722	Seq. ID	OJ990311_09.9819.C10
Gene No.	14121	Strand	+
Start	5797	End	26988
Name	OJ990311_09.9819.C10.o2.gp	Method	AAT/GAP
Start	17800	End	18521
GI	none	Score	701

Exons	17800..17873, 18210..18521		
Seq. No.	6722	Seq. ID	OJ990311_09.9819.C10
Gene No.	14121	Strand	+
Start	5797	End	26988
Name	OJ990311_09.9819.C10.o2.np	Method	AAT/NAP
Start	20767	End	25646
GI	2245071	Score	1404
Exons	20767..20907, 21036..21331, 21455..21716, 21771..22103, 22260..22448, 23385..23488, 24258..24547, 24643..24727, 24810..25128, 25390..25646		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6722	Seq. ID	OJ990311_09.9819.C10
Gene No.	14121	Strand	+
Start	5797	End	26988
Name	OJ990311_09.9819.C10.o3.np	Method	AAT/NAP
Start	24671	End	26988
GI	2245070	Score	838
Exons	24671..24762, 25213..25557, 25638..26124, 26284..26459, 26968..26988		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6723	Seq. ID	OJ990311_09.9819.C11
Gene No.	14122	Strand	+
Start	1	End	862
Name	OJ990311_09.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	862
GI	2245070	Score	271
Exons	1..77, 272..862		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6723	Seq. ID	OJ990311_09.9819.C11
Gene No.	14123	Strand	-
Start	1168	End	1319
Name	OJ990311_09.9819.C11.o1.gs	Method	GENSCAN
Start	1168	End	1319
GI	none	Score	.76
Exons	1168..1319		
Seq. No.	6724	Seq. ID	OJ990311_09.9819.C14
Gene No.	14124	Strand	+
Start	293	End	2115
Name	OJ990311_09.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	291	End	457
GI	none	Score	196
Exons	291..452, 291..452, 293..457		
Seq. No.	6724	Seq. ID	OJ990311_09.9819.C14
Gene No.	14124	Strand	+
Start	293	End	2115
Name	OJ990311_09.9819.C14.o1.gp	Method	AAT/GAP
Start	293	End	780
GI	72807_1.R1084	Score	473
Exons	293..454, 550..637, 728..780		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 6.0e-22 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	6724	Seq. ID	OJ990311_09.9819.C14
Gene No.	14124	Strand	+
Start	293	End	2115
Name	OJ990311_09.9819.C14.o1.np	Method	AAT/NAP
Start	293	End	1964
GI	4895254	Score	48
Exons	293..473, 1916..1964		
GI Descrip.	(AC007659) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6724	Seq. ID	OJ990311_09.9819.C14
Gene No.	14124	Strand	+
Start	293	End	2115
Name	OJ990311_09.9819.C14.o1.gs	Method	GENSCAN
Start	293	End	2115
GI	none	Score	.98
Exons	293..454, 550..637, 728..958, 1052..1219, 1489..1682, 1996..2115		

Seq. No.	6724	Seq. ID	OJ990311_09.9819.C14
Gene No.	14124	Strand	+
Start	293	End	2115
Name	OJ990311_09.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	826	End	1515
GI	none	Score	157
Exons	826..957, 828..956, 902..961, 1046..1222, 1050..1229, 1051..1230, 1480..1515		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14125	Strand	+
Start	268	End	6211
Name	OJ990311_09.9819.C15.o1.gs	Method	GENSCAN
Start	268	End	6211
GI	none	Score	.75
Exons	268..418, 517..636, 961..1102, 1524..1548, 1941..2017, 2442..2636, 3191..3263, 3339..3425, 3610..3747, 3885..4087, 4173..4335, 4565..4684, 6071..6211		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14125	Strand	+
Start	268	End	6211
Name	OJ990311_09.9819.C15.o2.gp	Method	AAT/GAP
Start	4664	End	5023
GI	3760216	Score	598
Exons	4664..5023		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14126	Strand	+
Start	12628	End	13082
Name	OJ990311_09.9819.C15.o3.gp	Method	AAT/GAP
Start	12628	End	13082
GI	36280_1.R1084	Score	854
Exons	12628..13082		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14127	Strand	+
Start	14773	End	15208
Name	OJ990311_09.9819.C15.o4.gp	Method	AAT/GAP
Start	14773	End	15208
GI	uC-osf1M2020118f01a1	Score	777
Exons	14773..15208		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14128	Strand	+
Start	16567	End	19770
Name	OJ990311_09.9819.C15.o3.gs	Method	GENSCAN
Start	16567	End	19770
GI	none	Score	.76
Exons	16567..17187, 17660..17787, 17880..17931, 18909..19055, 19352..19426, 19516..19770		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14129	Strand	+
Start	21443	End	21764
Name	OJ990311_09.9819.C15.o2.np	Method	AAT/NAP
Start	21443	End	21764
GI	6678609	Score	62
Exons	21443..21561, 21634..21764		
GI Descrip.	X-linked nuclear protein gi|5915738|sp|Q61687|ATRX_MOUSE TRANSCRIPTIONAL REGULATOR ATRX (X-LINKED NUCLEAR PROTEIN) (HETEROCHROMATIN PROTEIN 2) (HP1 ALPHA-INTERACTING PROTEIN) (HP1-BP38 PROTEIN) gi|3002558 (AF026032) ATRX protein [Mus musculus]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14130	Strand	+
Start	28280	End	28428
Name	OJ990311_09.9819.C15.o5.gp	Method	AAT/GAP
Start	28280	End	28428
GI	uC-osf1cyp001c04b2	Score	222
Exons	28280..28428		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-34 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14131	Strand	+
Start	31223	End	34083
Name	OJ990311_09.9819.C15.o8.np	Method	AAT/NAP
Start	31223	End	34083
GI	4378757	Score	413
Exons	31223..31245, 33444..33522, 33626..33881, 33950..34083		
GI Descrip.	(AF111711) transcription factor PERIANTHIA [Arabidopsis thaliana]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14131	Strand	+

Start	31223	End	34083
Name	OJ990311_09.9819.C15.o6.gp	Method	AAT/GAP
Start	33447	End	33840
GI	67783_1.R1084	Score	667
Exons	33447..33840		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14132	Strand	+
Start	34816	End	37738
Name	OJ990311_09.9819.C15.o7.gp	Method	AAT/GAP
Start	34816	End	35733
GI	none	Score	875
Exons	34816..35007, 35453..35733		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14132	Strand	+
Start	34816	End	37738
Name	OJ990311_09.9819.C15.o10.np	Method	AAT/NAP
Start	35489	End	37738
GI	6522596	Score	69
Exons	35489..35728, 37719..37738		
GI Descrip.	(AL133292) putative protein [Arabidopsis thaliana]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14132	Strand	+
Start	34816	End	37738
Name	OJ990311_09.9819.C15.o8.gp	Method	AAT/GAP
Start	36399	End	36852
GI	none	Score	904
Exons	36399..36852		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14133	Strand	+
Start	44588	End	45213
Name	OJ990311_09.9819.C15.o11.np	Method	AAT/NAP
Start	44588	End	45213
GI	4928399	Score	172
Exons	44588..45047, 45155..45213		
GI Descrip.	(AF132014) RING-H2 zinc finger protein ATL4 [Arabidopsis thaliana]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14134	Strand	-
Start	12254	End	17046
Name	OJ990311_09.9819.C15.o1.np	Method	AAT/NAP
Start	12254	End	17046
GI	5295971	Score	7968
Exons	12254..17046		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14135	Strand	-
Start	19969	End	24634

Name	OJ990311_09.9819.C15.o3.np	Method	AAT/NAP
Start	19960	End	24634
GI	6069646	Score	369
Exons	19960..20951, 21264..21307, 24563..24634		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14135	Strand	-
Start	19969	End	24634
Name	OJ990311_09.9819.C15.o4.gs	Method	GENSCAN
Start	19969	End	21141
GI	none	Score	.56
Exons	19969..21141		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14136	Strand	-
Start	25599	End	26808
Name	OJ990311_09.9819.C15.o7.np	Method	AAT/NAP
Start	25599	End	26808
GI	6907106	Score	444
Exons	25599..25804, 25878..26100, 26406..26808		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o6.tm	Method	TBLASTX:Maize
Start	2554	End	4089
GI	none	Score	102
Exons	2554..2646, 2566..2634, 3189..3263, 3189..3263, 3324..3428, 3336..3425, 3337..3429, 3588..3746, 3605..3769, 3607..3750, 3608..3760, 3875..4018, 3882..4088, 3883..4089, 3883..4062		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o13.tm	Method	TBLASTX:Maize
Start	4187	End	4708
GI	none	Score	123
Exons	4187..4336, 4190..4336, 4258..4341, 4272..4337, 4288..4341, 4562..4708, 4562..4696, 4564..4698		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o5.tc	Method	TBLASTX:Cress
Start	4258	End	4696
GI	none	Score	116
Exons	4258..4341, 4269..4337, 4562..4696, 4564..4692		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-

Start	34387	End	35695
Name	OJ990311_09.9819.C15.o3.ts	Method	TBLASTX:Soybean
Start	12278	End	12928
GI	none	Score	41
Exons	12278..12511, 12411..12485, 12566..12754, 12594..12755, 12767..12928		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	12287	End	12949
GI	none	Score	83
Exons	12287..12529, 12321..12485, 12572..12652, 12576..12653, 12659..12949, 12660..12755, 12777..12887		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o4.tm	Method	TBLASTX:Maize
Start	12288	End	12677
GI	none	Score	225
Exons	12288..12488, 12288..12674, 12290..12595, 12290..12676, 12439..12615, 12570..12677		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o4.tw	Method	TBLASTX:Wheat
Start	12317	End	12736
GI	none	Score	83
Exons	12317..12496, 12329..12511, 12566..12736, 12576..12653		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o14.tm	Method	TBLASTX:Maize
Start	12683	End	12862
GI	none	Score	120
Exons	12683..12862, 12684..12860		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o5.tw	Method	TBLASTX:Wheat
Start	12770	End	13081
GI	none	Score	64
Exons	12770..12949, 12974..13081		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	12864	End	13255
GI	none	Score	513
Exons	12864..13151, 12866..13255, 12866..13255		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o2.tw	Method	TBLASTX:Wheat
Start	13082	End	13634
GI	none	Score	57
Exons	13082..13306, 13292..13522, 13296..13481, 13316..13483, 13505..13633, 13545..13634		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o2.ts	Method	TBLASTX:Soybean
Start	13307	End	13801
GI	5509260	Score	121
Exons	13307..13522, 13326..13484, 13517..13801, 13545..13754		
GI Descrip.	-		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o4.tc	Method	TBLASTX:Cress
Start	13418	End	13679
GI	none	Score	89
Exons	13418..13522, 13505..13678, 13548..13679		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o5.tm	Method	TBLASTX:Maize
Start	13457	End	13762
GI	none	Score	51
Exons	13457..13522, 13458..13499, 13460..13522, 13499..13762, 13511..13714, 13545..13760		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	14252	End	14731
GI	none	Score	157
Exons	14252..14398, 14423..14731, 14436..14726		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o2.tc	Method	TBLASTX:Cress
Start	14276	End	14716
GI	none	Score	193
Exons	14276..14398, 14420..14716		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	14336	End	14762
GI	none	Score	547

Exons	14336..14758, 14337..14762		
Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o3.tw	Method	TBLASTX:Wheat
Start	14414	End	14965
GI	none	Score	42
Exons	14414..14494, 14427..14498, 14501..14965, 14601..14750		
Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o5.ts	Method	TBLASTX:Soybean
Start	14819	End	15100
GI	none	Score	203
Exons	14819..15100, 14924..15004		
Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	15038	End	15491
GI	none	Score	57
Exons	15038..15130, 15038..15118, 15110..15487, 15125..15490, 15219..15491		
Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o8.tm	Method	TBLASTX:Maize
Start	15161	End	15401
GI	none	Score	269
Exons	15161..15400, 15162..15401		
Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	15416	End	16132
GI	none	Score	292
Exons	15416..15664, 15416..15667, 15517..15669, 15647..15778, 15681..15836, 15708..15836, 15709..15837, 15843..15875, 15845..15940, 15857..16132, 15858..16115, 15860..16132		
Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o7.tm	Method	TBLASTX:Maize
Start	16367	End	16654
GI	none	Score	161
Exons	16367..16525, 16367..16519, 16507..16653, 16511..16654		
Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o15.tm	Method	TBLASTX:Maize

Start	18683	End	19025
GI	none	Score	142
Exons	18683..18820, 18684..18821, 18900..18974, 18903..19025		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o9.tm	Method	TBLASTX:Maize
Start	20080	End	20613
GI	none	Score	236
Exons	20080..20196, 20254..20613		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o11.tm	Method	TBLASTX:Maize
Start	20770	End	21058
GI	none	Score	124
Exons	20770..21057, 20879..21058		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o10.tm	Method	TBLASTX:Maize
Start	25696	End	26053
GI	none	Score	73
Exons	25696..25755, 25697..25828, 25718..25813, 25833..26027, 25845..25871, 25846..26043, 25935..26042, 25945..26052, 25946..26053		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o12.tm	Method	TBLASTX:Maize
Start	33454	End	33847
GI	none	Score	86
Exons	33454..33525, 33456..33521, 33620..33769, 33637..33684, 33725..33775, 33821..33847		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o3.tc	Method	TBLASTX:Cress
Start	33454	End	34083
GI	none	Score	83
Exons	33454..33525, 33620..33769, 33698..33895, 33724..33744, 33817..33867, 33966..34082, 33967..34083		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o4.ts	Method	TBLASTX:Soybean
Start	33454	End	34083
GI	none	Score	84
Exons	33454..33525, 33456..33527, 33620..33769, 33643..33744, 33725..33763, 33809..33895, 33820..33876, 33966..34082, 33967..34083		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o6.tw	Method	TBLASTX:Wheat
Start	33620	End	33766
GI	none	Score	184
Exons	33620..33766, 33625..33744		

Seq. No.	6725	Seq. ID	OJ990311_09.9819.C15
Gene No.	14137	Strand	-
Start	34387	End	35695
Name	OJ990311_09.9819.C15.o9.np	Method	AAT/NAP
Start	34387	End	35695
GI	5777617	Score	83
Exons	34387..34512, 35667..35695		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	6726	Seq. ID	OJ990311_09.9819.C16
Gene No.	14138	Strand	-
Start	60	End	415
Name	OJ990311_09.9819.C16.o1.gs	Method	GENSCAN
Start	60	End	415
GI	none	Score	.84
Exons	60..415		

Seq. No.	6727	Seq. ID	OJ990311_09.9819.C17
Gene No.	14139	Strand	+
Start	453	End	548
Name	OJ990311_09.9819.C17.o1.np	Method	AAT/NAP
Start	453	End	548
GI	6006359	Score	73
Exons	453..548		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	6727	Seq. ID	OJ990311_09.9819.C17
Gene No.	14140	Strand	+
Start	1090	End	1294
Name	OJ990311_09.9819.C17.o1.gs	Method	GENSCAN
Start	1090	End	1294
GI	none	Score	.49
Exons	1090..1294		

Seq. No.	6728	Seq. ID	OJ990311_09.9819.C18
Gene No.	14141	Strand	+
Start	1	End	2533
Name	OJ990311_09.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	1352
GI	5042454	Score	163
Exons	1..62, 727..910, 1292..1352		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	6728	Seq. ID	OJ990311_09.9819.C18
Gene No.	14141	Strand	+
Start	1	End	2533
Name	OJ990311_09.9819.C18.o1.gs	Method	GENSCAN
Start	654	End	2533

GI	none	Score	.69
Exons	654..793, 874..916, 1299..1469, 1968..2007, 2370..2533		

Seq. No.	6728	Seq. ID	OJ990311_09.9819.C18
Gene No.	14142	Strand	+
Start	3470	End	3624
Name	OJ990311_09.9819.C18.o3.gp	Method	AAT/GAP
Start	3470	End	3624
GI	77434_1.R1084	Score	84
Exons	3470..3526, 3603..3624		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	6728	Seq. ID	OJ990311_09.9819.C18
Gene No.	14143	Strand	-
Start	2368	End	2467
Name	OJ990311_09.9819.C18.o1.gp	Method	AAT/GAP
Start	2368	End	2467
GI	2799534	Score	129
Exons	2368..2467		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14144	Strand	+
Start	8657	End	11969
Name	OJ990311_09.9819.C19.o4.gp	Method	AAT/GAP
Start	8528	End	8776
GI	5667251	Score	438
Exons	8528..8776		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14144	Strand	+
Start	8657	End	11969
Name	OJ990311_09.9819.C19.o3.gs	Method	GENSCAN
Start	8657	End	11749
GI	none	Score	.82
Exons	8657..8815, 8923..8973, 10041..10106, 10193..10240, 11454..11483, 11645..11749		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14144	Strand	+
Start	8657	End	11969
Name	OJ990311_09.9819.C19.o6.np	Method	AAT/NAP
Start	8657	End	11746
GI	3341685	Score	200
Exons	8657..8815, 8923..8973, 10041..10106, 10193..10240, 11454..11483, 11681..11746		
GI Descrip.	(AC003672) unknown protein [Arabidopsis thaliana]		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14144	Strand	+
Start	8657	End	11969
Name	OJ990311_09.9819.C19.o5.gp	Method	AAT/GAP
Start	8769	End	11969
GI	59454_1.R1084	Score	780
Exons	8769..8815, 8923..8973, 10041..10106, 10193..10240, 11454..11483, 11681..11969		
GI Descrip.	'3341685 5.0e-33 (AC003672) unknown protein [Arabidopsis		

thaliana]'

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14145	Strand	-
Start	44	End	1687
Name	OJ990311_09.9819.C19.o1.np	Method	AAT/NAP
Start	44	End	1687
GI	226683	Score	2162
Exons	44..165, 396..1687		
GI Descrip.	photosystem II 43kD protein [Oryza sativa]		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14145	Strand	-
Start	44	End	1687
Name	OJ990311_09.9819.C19.o1.gp	Method	AAT/GAP
Start	313	End	735
GI	LIB3477-003-P1-K1-E9	Score	152
Exons	313..410, 696..735		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14145	Strand	-
Start	44	End	1687
Name	OJ990311_09.9819.C19.o2.gp	Method	AAT/GAP
Start	432	End	1008
GI	7587_1.R1084	Score	1001
Exons	432..1008		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14145	Strand	-
Start	44	End	1687
Name	OJ990311_09.9819.C19.o3.gp	Method	AAT/GAP
Start	1104	End	1560
GI	2231_2.R1084	Score	825
Exons	1104..1560		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14146	Strand	-
Start	1731	End	2627
Name	OJ990311_09.9819.C19.o2.np	Method	AAT/NAP
Start	1731	End	2627
GI	5739030	Score	1548
Exons	1731..2627		
GI Descrip.	(AB013682) photosystem II protein D2 [Adiantum capillus-veneris]		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14147	Strand	-
Start	2949	End	3248

Name	OJ990311_09.9819.C19.o3.np	Method	AAT/NAP
Start	2949	End	3248
GI	82515	Score	516
Exons	2949..3248		
GI Descrip.	hypothetical 12.5K (psbI-psbD intergenic region) - rice chloroplast gi|11963|emb|CAA34012| (X15901) ORF100 [Oryza sativa] gi|226681|prf||1603356F ORF 100 [Oryza sativa]		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	418	End	4649
GI	none	Score	64
Exons	418..489, 433..489, 434..490, 489..1106, 489..1112, 490..1113, 1112..1156, 1211..1705, 1212..1703, 4476..4649		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	418	End	4649
GI	none	Score	91
Exons	418..489, 434..490, 466..711, 467..721, 488..730, 489..1112, 490..1113, 875..1114, 1090..1725, 1112..1156, 1211..1723, 1212..1727, 4476..4649		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o4.tm	Method	TBLASTX:Maize
Start	433	End	693
GI	none	Score	91
Exons	433..489, 434..490, 434..499, 488..691, 489..683, 489..692, 490..693, 490..693		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	533	End	4649
GI	none	Score	180
Exons	533..667, 533..631, 534..650, 610..711, 611..724, 626..730, 630..1112, 631..1113, 770..1117, 1095..1163, 1096..1164, 4476..4649		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	694	End	4649
GI	none	Score	673
Exons	694..1113, 696..1112, 872..1126, 1029..1178, 1096..1179, 4476..4649		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-

Start	3653	End	5110
Name	OJ990311_09.9819.C19.o3.tw	Method	TBLASTX:Wheat
Start	1166	End	1562
GI	none	Score	139
Exons	1166..1561, 1217..1378, 1221..1562		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	1215	End	1665
GI	none	Score	692
Exons	1215..1664, 1216..1665, 1217..1663		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o2.tw	Method	TBLASTX:Wheat
Start	1725	End	2168
GI	none	Score	638
Exons	1725..2147, 1725..2141, 1726..2148, 2133..2168		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o3.tc	Method	TBLASTX:Cress
Start	1909	End	2238
GI	none	Score	501
Exons	1909..2238, 1911..2234		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o2.ts	Method	TBLASTX:Soybean
Start	1934	End	2756
GI	none	Score	574
Exons	1934..2461, 1934..2323, 1935..2756, 1936..2742, 2507..2746		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o3.tm	Method	TBLASTX:Maize
Start	1960	End	2382
GI	none	Score	654
Exons	1960..2382, 1962..2381		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o2.tc	Method	TBLASTX:Cress
Start	2322	End	2694
GI	none	Score	416
Exons	2322..2693, 2322..2693, 2323..2694		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110

Name	OJ990311_09.9819.C19.o5.tw	Method	TBLASTX:Wheat
Start	2634	End	3007
GI	none	Score	185
Exons	2634..2750, 2634..2750, 2638..2754, 2766..2783, 2781..2906, 2782..2907, 2786..2908, 2879..2914, 2892..2915, 2893..2919, 2906..2950, 2907..2951, 2908..2955, 2909..2965, 2956..2985, 2957..2986, 2958..2990, 2975..3007		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o4.tw	Method	TBLASTX:Wheat
Start	3008	End	3562
GI	none	Score	55
Exons	3008..3082, 3013..3081, 3041..3127, 3051..3245, 3076..3198, 3087..3227, 3214..3339, 3224..3337, 3331..3402, 3344..3406, 3350..3385, 3382..3426, 3387..3428, 3387..3446, 3417..3500, 3420..3500, 3421..3513, 3422..3508, 3502..3531, 3503..3562		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o8.tm	Method	TBLASTX:Maize
Start	3008	End	3238
GI	none	Score	37
Exons	3008..3061, 3009..3041, 3013..3063, 3041..3094, 3051..3092, 3053..3097, 3099..3227, 3101..3238, 3102..3227		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o5.tm	Method	TBLASTX:Maize
Start	3240	End	3667
GI	none	Score	126
Exons	3240..3335, 3240..3335, 3242..3337, 3257..3337, 3344..3403, 3344..3403, 3346..3483, 3348..3461, 3360..3500, 3362..3508, 3387..3497, 3388..3501, 3502..3531, 3506..3610, 3537..3611, 3557..3616, 3559..3615, 3588..3623, 3600..3665, 3601..3666, 3602..3667		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o2.gs	Method	GENSCAN
Start	3653	End	5110
GI	none	Score	.91
Exons	3653..3823, 4392..4503, 4849..4874, 5066..5110		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o3.ts	Method	TBLASTX:Soybean
Start	3739	End	4475
GI	none	Score	177
Exons	3739..3834, 3875..4003, 3876..4004, 3877..4005, 3879..4004, 4356..4475, 4372..4473		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o4.tc	Method	TBLASTX:Cress
Start	3739	End	4024
GI	none	Score	47
Exons	3739..3765, 3739..3765, 3858..4007, 3863..4018, 3863..4024, 3876..4022		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o4.np	Method	AAT/NAP
Start	3881	End	4026
GI	1262595	Score	186
Exons	3881..4026		
GI Descrip.	(D17510) PSII I protein [Pinus thunbergii]		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o7.tm	Method	TBLASTX:Maize
Start	4011	End	4220
GI	none	Score	160
Exons	4011..4109, 4011..4118, 4012..4110, 4013..4123, 4084..4149, 4092..4148, 4103..4159, 4148..4219, 4152..4220		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o6.tm	Method	TBLASTX:Maize
Start	4220	End	4734
GI	none	Score	79
Exons	4220..4255, 4221..4271, 4221..4271, 4257..4316, 4257..4322, 4258..4320, 4259..4321, 4321..4473, 4326..4475, 4326..4475, 4649..4732, 4650..4733, 4651..4734, 4651..4734		

Seq. No.	6729	Seq. ID	OJ990311_09.9819.C19
Gene No.	14148	Strand	-
Start	3653	End	5110
Name	OJ990311_09.9819.C19.o5.np	Method	AAT/NAP
Start	4380	End	4562
GI	131358	Score	320
Exons	4380..4562		
GI Descrip.	PHOTOSYSTEM II 4 KD REACTION CENTER PROTEIN PRECURSOR gi|72700|pir||F2RZKS photosystem II protein psbK - rice chloroplast gi|11961|emb|CAA34010| (X15901) PSII K protein [Oryza sativa] gi|226672|prf||1603356D photosystem II K protein [Oryza sativa]		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14149	Strand	+
Start	7836	End	10973
Name	OJ990311_09.9819.C20.o3.gs	Method	GENSCAN
Start	7836	End	10973
GI	none	Score	.74
Exons	7836..7897, 7932..8064, 8438..8556, 8664..8724, 9147..9194,		

10340..10973

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14150	Strand	-
Start	434	End	500
Name	OJ990311_09.9819.C20.o1.gs	Method	GENSCAN
Start	434	End	500
GI	none	Score	.59
Exons	434..500		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	1416	End	3554
GI	none	Score	70
Exons	1416..1520, 1557..1661, 1758..1841, 2651..2812, 2652..2813, 2929..3120, 2930..3109, 3459..3554		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o2.gs	Method	GENSCAN
Start	1419	End	3683
GI	none	Score	.92
Exons	1419..1828, 2653..2815, 2923..3102, 3456..3683		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o1.np	Method	AAT/NAP
Start	1422	End	3704
GI	1781324	Score	502
Exons	1422..1828, 2653..2815, 2923..3102, 3456..3704		
GI Descrip.	(Y10463) peroxidase [Spinacia oleracea]		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	1425	End	3120
GI	none	Score	85
Exons	1425..1454, 1470..1643, 1726..1830, 1734..1862, 2756..2812, 2929..3120, 2930..3103		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	1479	End	2833
GI	none	Score	406
Exons	1479..1829, 1480..1839, 2651..2833, 2652..2810		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o1.tw	Method	TBLASTX:Wheat

Start	2920	End	3120
GI	none	Score	88
Exons	2920..3075, 2921..3085, 3076..3120, 3077..3109		

Seq. No.	6730	Seq. ID	OJ990311_09.9819.C20
Gene No.	14151	Strand	-
Start	1419	End	3704
Name	OJ990311_09.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	2929	End	3557
GI	none	Score	107
Exons	2929..3120, 2930..3109, 3459..3557		

Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14152	Strand	+
Start	281	End	885
Name	OJ990311_09.9819.C21.o1.gs	Method	GENSCAN
Start	281	End	885
GI	none	Score	.54
Exons	281..379, 837..885		

Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14153	Strand	-
Start	327	End	509
Name	OJ990311_09.9819.C21.o1.np	Method	AAT/NAP
Start	327	End	509
GI	131358	Score	320
Exons	327..509		
GI Descrip.	PHOTOSYSTEM II 4 KD REACTION CENTER PROTEIN PRECURSOR gi|72700|pir||F2RZKS photosystem II protein psbK - rice chloroplast gi|11961|emb|CAA34010| (X15901) PSII K protein [Oryza sativa] gi|226672|prf||1603356D photosystem II K protein [Oryza sativa]		

Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14154	Strand	-
Start	543	End	740
Name	OJ990311_09.9819.C21.o1.tm	Method	TBLASTX:Maize
Start	168	End	681
GI	none	Score	79
Exons	168..218, 168..218, 204..263, 204..269, 205..267, 206..268, 268..441, 272..445, 273..587, 273..581, 567..680, 568..681, 579..680, 604..681		

Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14154	Strand	-
Start	543	End	740
Name	OJ990311_09.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	296	End	528
GI	none	Score	154
Exons	296..514, 297..521, 297..512, 316..528		

Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14154	Strand	-
Start	543	End	740
Name	OJ990311_09.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	303	End	554
GI	none	Score	217

Exons	303..554, 319..525		
Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14154	Strand	-
Start	543	End	740
Name	OJ990311_09.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	423	End	681
GI	none	Score	336
Exons	423..680, 423..680, 424..681		
Seq. No.	6731	Seq. ID	OJ990311_09.9819.C21
Gene No.	14154	Strand	-
Start	543	End	740
Name	OJ990311_09.9819.C21.o1.gp	Method	AAT/GAP
Start	543	End	740
GI	LIB3477-003-P1-K1-E9	Score	78
Exons	543..564, 680..740		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	6732	Seq. ID	OJ990311_09.9819.C25
Gene No.	14155	Strand	+
Start	1	End	696
Name	OJ990311_09.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	696
GI	3192685	Score	870
Exons	1..696		
GI Descrip.	(AF064539) gp2 [Bacteriophage N15]		
Seq. No.	6732	Seq. ID	OJ990311_09.9819.C25
Gene No.	14156	Strand	-
Start	191	End	624
Name	OJ990311_09.9819.C25.o1.gs	Method	GENSCAN
Start	191	End	624
GI	none	Score	.95
Exons	191..394, 553..624		
Seq. No.	6733	Seq. ID	OJ990311_09.9819.C27
Gene No.	14157	Strand	-
Start	1	End	358
Name	OJ990311_09.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	358
GI	2245072	Score	90
Exons	1..194, 264..358		
GI Descrip.	(Z97342) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6734	Seq. ID	OJ990211_02.9819.C1
Gene No.	14158	Strand	+
Start	521	End	670
Name	OJ990211_02.9819.C1.o1.gp	Method	AAT/GAP
Start	521	End	670
GI	2310943	Score	266
Exons	521..670		
GI Descrip.	4886282/emb|CAB43434.1| 3.0e-09 (AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	6734	Seq. ID	OJ990211_02.9819.C1
Gene No.	14158	Strand	+
Start	521	End	670
Name	OJ990211_02.9819.C1.o1.gs	Method	GENSCAN
Start	549	End	662
GI	none	Score	.56
Exons	549..662		

Seq. No.	6735	Seq. ID	OJ990211_02.9819.C4
Gene No.	14159	Strand	-
Start	1	End	789
Name	OJ990211_02.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	789
GI	6689637	Score	165
Exons	1..87, 637..789		
GI Descrip.	(AJ245968) Toc34-1 protein [Zea mays]		

Seq. No.	6735	Seq. ID	OJ990211_02.9819.C4
Gene No.	14159	Strand	-
Start	1	End	789
Name	OJ990211_02.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	645	End	784
GI	none	Score	83
Exons	645..737, 646..783, 653..784		

Seq. No.	6735	Seq. ID	OJ990211_02.9819.C4
Gene No.	14159	Strand	-
Start	1	End	789
Name	OJ990211_02.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	646	End	777
GI	none	Score	107
Exons	646..777, 653..775		

Seq. No.	6735	Seq. ID	OJ990211_02.9819.C4
Gene No.	14159	Strand	-
Start	1	End	789
Name	OJ990211_02.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	646	End	777
GI	none	Score	191
Exons	646..777, 650..775		

Seq. No.	6735	Seq. ID	OJ990211_02.9819.C4
Gene No.	14159	Strand	-
Start	1	End	789
Name	OJ990211_02.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	646	End	779
GI	none	Score	200
Exons	646..777, 648..779, 650..775		

Seq. No.	6735	Seq. ID	OJ990211_02.9819.C4
Gene No.	14159	Strand	-
Start	1	End	789
Name	OJ990211_02.9819.C4.o1.gp	Method	AAT/GAP
Start	648	End	789
GI	18266_1.R1084	Score	214
Exons	648..789		
GI Descrip.	'1151244 4.0e-87 (U43377) GTP-binding protein [Arabidopsis		

thaliana]'

Seq. No.	6736	Seq. ID	OJ990211_02.9819.C6
Gene No.	14160	Strand	-
Start	366	End	472
Name	OJ990211_02.9819.C6.o1.gs	Method	GENSCAN
Start	366	End	472
GI	none	Score	.43
Exons	366..472		

Seq. No.	6737	Seq. ID	OJ990211_02.9819.C8
Gene No.	14161	Strand	+
Start	1033	End	1296
Name	OJ990211_02.9819.C8.o1.np	Method	AAT/NAP
Start	1033	End	1296
GI	5103193	Score	319
Exons	1033..1296		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	6737	Seq. ID	OJ990211_02.9819.C8
Gene No.	14162	Strand	-
Start	526	End	1173
Name	OJ990211_02.9819.C8.o1.gs	Method	GENSCAN
Start	526	End	1173
GI	none	Score	.43
Exons	526..648, 1158..1173		

Seq. No.	6737	Seq. ID	OJ990211_02.9819.C8
Gene No.	14162	Strand	-
Start	526	End	1173
Name	OJ990211_02.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	926	End	1073
GI	none	Score	224
Exons	926..1072, 927..1073, 927..1073		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14163	Strand	+
Start	452	End	1576
Name	OJ990211_02.9819.C9.o1.gp	Method	AAT/GAP
Start	452	End	1576
GI	3995_1.R1084	Score	791
Exons	452..551, 1251..1576		
GI Descrip.	'4886282/emb|CAB43434.1| 3.0e-09 (AL050300) putative protein [Arabidopsis thaliana]'		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.gp	Method	AAT/GAP
Start	5562	End	5900
GI	2310943	Score	641
Exons	5562..5900		
GI Descrip.	4886282/emb|CAB43434.1| 3.0e-09 (AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.gs	Method	GENSCAN
Start	5671	End	13698
GI	none	Score	.68
Exons	5671..6885, 7315..7456, 7499..7664, 8816..8981, 9762..9909, 10078..10185, 10317..10398, 11415..11679, 12732..12800, 12888..13049, 13151..13274, 13588..13698		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	5743	End	6003
GI	none	Score	404
Exons	5743..6003, 5769..6002		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o1.np	Method	AAT/NAP
Start	5752	End	6999
GI	4510376	Score	390
Exons	5752..6999		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	5761	End	6921
GI	none	Score	323
Exons	5761..6048, 5769..6023, 6139..6189, 6235..6393, 6493..6804, 6543..6767, 6825..6890, 6826..6921		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	5761	End	6009
GI	none	Score	241
Exons	5761..6009, 5769..6008		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	5767	End	5982
GI	none	Score	205
Exons	5767..5982, 5772..5939		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	6662	End	6939

GI	none	Score	35
Exons	6662..6682, 6679..6768, 6679..6768, 6695..6769, 6696..6770, 6751..6939, 6752..6898, 6757..6939		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o3.tc	Method	TBLASTX:Cress
Start	6670	End	6981
GI	none	Score	94
Exons	6670..6807, 6832..6981		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o3.gp	Method	AAT/GAP
Start	8422	End	8507
GI	LIB3477-003-P1-K1-E9	Score	111
Exons	8422..8507		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o4.gp	Method	AAT/GAP
Start	9501	End	13511
GI	18266_1.R1084	Score	2558
Exons	9501..9656, 9762..9909, 10078..10185, 10274..10400, 11415..11679, 12732..12800, 12888..13049, 13151..13511		
GI Descrip.	'1151244 4.0e-87 (U43377) GTP-binding protein [Arabidopsis thaliana]'		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	9804	End	13466
GI	none	Score	74
Exons	9804..9872, 9813..9872, 9814..9873, 10075..10185, 10075..10185, 10080..10208, 10080..10196, 10266..10391, 10271..10402, 10273..10398, 11380..11679, 11417..11680, 11417..11680, 12731..12799, 12732..12803, 12732..12800, 12742..12804, 12885..13049, 12893..13048, 13145..13303, 13150..13305, 13150..13299, 13332..13355, 13386..13466		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	9808	End	13231
GI	none	Score	73
Exons	9808..9873, 9918..9971, 9925..9948, 10075..10185, 10080..10184, 10271..10402, 10273..10395, 11380..11676, 11415..11567, 11563..11631, 12735..12803, 12743..12799, 12854..13036, 12885..13037, 12885..13049, 13148..13231		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.np	Method	AAT/NAP
Start	9811	End	13300
GI	6689637	Score	1354
Exons	9811..9909, 10078..10185, 10274..10398, 11415..11679, 12732..12800, 12888..13049, 13151..13300		
GI Descrip.	(AJ245968) Toc34-1 protein [Zea mays]		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	10075	End	11525
GI	none	Score	166
Exons	10075..10185, 10077..10208, 10077..10196, 10271..10402, 10273..10398, 11380..11520, 11412..11522, 11412..11525		

Seq. No.	6738	Seq. ID	OJ990211_02.9819.C9
Gene No.	14164	Strand	+
Start	5671	End	13698
Name	OJ990211_02.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	10075	End	13231
GI	none	Score	143
Exons	10075..10185, 10077..10184, 10249..10395, 10265..10402, 10311..10403, 11380..11667, 11416..11634, 11418..11702, 12725..12805, 12741..12803, 12854..13030, 12885..13049, 12885..13049, 13145..13231		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o1.np	Method	AAT/NAP
Start	7371	End	8428
GI	6721543	Score	171
Exons	7371..7499, 8312..8428		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o2.gp	Method	AAT/GAP
Start	7385	End	7537
GI	7406_1.R1084	Score	221
Exons	7385..7537		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o2.gs	Method	GENSCAN
Start	7988	End	14216
GI	none	Score	.53
Exons	7988..10119, 10321..10616, 11056..11206, 11312..11558,		

11733..12143, 12235..12533, 12610..12770, 13113..13194,
13457..13588, 13651..13698, 13703..13905, 14056..14216

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o2.np	Method	AAT/NAP
Start	8441	End	13937
GI	5441880	Score	4748
Exons	8441..9446, 9891..9922, 10181..10496, 11056..11206, 11312..11648, 12235..12533, 12610..12868, 13113..13210, 13457..13588, 13703..13937		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o3.gp	Method	AAT/GAP
Start	9045	End	9476
GI	5701669	Score	837
Exons	9045..9476		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o4.gp	Method	AAT/GAP
Start	12361	End	12860
GI	LIB3475-007-P1-K1-G8	Score	789
Exons	12361..12533, 12610..12860		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o5.gp	Method	AAT/GAP
Start	14041	End	15856
GI	LIB3431-045-P1-N1-A10	Score	817
Exons	14041..14384, 15747..15856		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14165	Strand	+
Start	7371	End	16192
Name	OJ990211_02.9819.C10.o3.gs	Method	GENSCAN
Start	14443	End	16192
GI	none	Score	.62
Exons	14443..14445, 14628..14786, 14853..14930, 16070..16192		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10

Gene No.	14166	Strand	+
Start	25091	End	30586
Name	OJ990211_02.9819.C10.o5.np	Method	AAT/NAP
Start	25091	End	30586
GI	2326372	Score	183
Exons	25091..25134, 27241..27349, 27435..27578, 30455..30586		
GI Descrip.	(Y14404) putative arabinose kinase [Arabidopsis thaliana]		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14166	Strand	+
Start	25091	End	30586
Name	OJ990211_02.9819.C10.o4.np	Method	AAT/NAP
Start	25309	End	28925
GI	6598759	Score	52
Exons	25309..25345, 26781..26854, 28881..28925		
GI Descrip.	(AC007295) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14167	Strand	-
Start	81	End	476
Name	OJ990211_02.9819.C10.o1.gp	Method	AAT/GAP
Start	81	End	476
GI	none	Score	759
Exons	81..476		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14168	Strand	-
Start	16696	End	17232
Name	OJ990211_02.9819.C10.o4.gs	Method	GENSCAN
Start	16696	End	17232
GI	none	Score	1
Exons	16696..17232		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14169	Strand	-
Start	17795	End	23335
Name	OJ990211_02.9819.C10.o5.gs	Method	GENSCAN
Start	17795	End	23335
GI	none	Score	.64
Exons	17795..18054, 18443..22570, 23281..23335		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14169	Strand	-
Start	17795	End	23335
Name	OJ990211_02.9819.C10.o3.np	Method	AAT/NAP
Start	18426	End	22562
GI	4234852	Score	4378
Exons	18426..22359, 22402..22562		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	9002	End	9598
GI	none	Score	93
Exons	9002..9130, 9010..9108, 9164..9463, 9181..9402, 9527..9598		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o3.tw	Method	TBLASTX:Wheat
Start	9296	End	9676
GI	none	Score	204
Exons	9296..9490, 9305..9502, 9496..9606, 9500..9676, 9500..9646		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o7.tm	Method	TBLASTX:Maize
Start	18465	End	18923
GI	none	Score	55
Exons	18465..18656, 18705..18881, 18864..18923		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o4.tw	Method	TBLASTX:Wheat
Start	18477	End	18876
GI	none	Score	118
Exons	18477..18872, 18643..18876		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o3.ts	Method	TBLASTX:Soybean
Start	18480	End	19046
GI	none	Score	131
Exons	18480..18671, 18660..18851, 18864..19046		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o3.tm	Method	TBLASTX:Maize
Start	18936	End	19367
GI	none	Score	131
Exons	18936..19232, 18937..19092, 19206..19367		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	19032	End	19812
GI	none	Score	152
Exons	19032..19481, 19036..19482, 19458..19811, 19467..19811, 19468..19812		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o4.tm	Method	TBLASTX:Maize
Start	19368	End	19811
GI	none	Score	139
Exons	19368..19469, 19503..19811, 19504..19794		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	19503	End	19940
GI	5509260	Score	44
Exons	19503..19940, 19504..19536, 19579..19851		
GI Descrip.	-		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	19593	End	19853
GI	none	Score	116
Exons	19593..19853, 19615..19851		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o4.ts	Method	TBLASTX:Soybean
Start	20421	End	20807
GI	none	Score	79
Exons	20421..20594, 20598..20807, 20626..20805		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o2.tw	Method	TBLASTX:Wheat
Start	20424	End	21086
GI	none	Score	35
Exons	20424..20522, 20449..20523, 20502..20807, 20524..20784, 20847..21086, 20848..20868, 20917..21072		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o2.tc	Method	TBLASTX:Cress
Start	20427	End	20807
GI	none	Score	123
Exons	20427..20594, 20607..20807		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o6.tm	Method	TBLASTX:Maize
Start	20613	End	21071
GI	none	Score	85
Exons	20613..20798, 20635..20796, 20847..21071		

Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	20862	End	21248
GI	none	Score	38

Exons	20862..21248, 20920..21003, 21031..21237		
Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	21462	End	22470
GI	none	Score	50
Exons	21462..21563, 21565..21615, 21720..21851, 21739..21780, 21861..22469, 21891..22145, 21892..22470		
Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o6.gs	Method	GENSCAN
Start	23690	End	30047
GI	none	Score	.74
Exons	23690..24108, 24713..24751, 29001..29095, 30040..30047		
Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o5.tm	Method	TBLASTX:Maize
Start	27241	End	27572
GI	none	Score	101
Exons	27241..27348, 27241..27348, 27242..27349, 27426..27572, 27429..27560		
Seq. No.	6739	Seq. ID	OJ990211_02.9819.C10
Gene No.	14170	Strand	-
Start	23690	End	30047
Name	OJ990211_02.9819.C10.o5.ts	Method	TBLASTX:Soybean
Start	27241	End	27545
GI	none	Score	145
Exons	27241..27348, 27242..27349, 27426..27545, 27429..27530		
Seq. No.	6740	Seq. ID	OJ990211_02.9819.C11
Gene No.	14171	Strand	+
Start	482	End	640
Name	OJ990211_02.9819.C11.o1.gs	Method	GENSCAN
Start	482	End	640
GI	none	Score	.71
Exons	482..640		
Seq. No.	6741	Seq. ID	OJ990211_02.9819.C12
Gene No.	14172	Strand	+
Start	424	End	504
Name	OJ990211_02.9819.C12.o1.gs	Method	GENSCAN
Start	424	End	504
GI	none	Score	.63
Exons	424..504		
Seq. No.	6742	Seq. ID	OJ990211_02.9819.C13
Gene No.	14173	Strand	-
Start	392	End	626
Name	OJ990211_02.9819.C13.o1.gp	Method	AAT/GAP
Start	392	End	626

GI	LIB3475-007-P1-K1-G8	Score	409
Exons	392..626		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	6742	Seq. ID	OJ990211_02.9819.C13
Gene No.	14173	Strand	-
Start	392	End	626
Name	OJ990211_02.9819.C13.o1.gs	Method	GENSCAN
Start	399	End	616
GI	none	Score	.43
Exons	399..616		

Seq. No.	6743	Seq. ID	OJ990211_02.9819.C16
Gene No.	14174	Strand	-
Start	285	End	443
Name	OJ990211_02.9819.C16.o1.gs	Method	GENSCAN
Start	285	End	443
GI	none	Score	.72
Exons	285..443		

Seq. No.	6744	Seq. ID	OJ990211_02.9819.C18
Gene No.	14175	Strand	+
Start	1	End	738
Name	OJ990211_02.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	738
GI	5441880	Score	1011
Exons	1..738		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	6744	Seq. ID	OJ990211_02.9819.C18
Gene No.	14175	Strand	+
Start	1	End	738
Name	OJ990211_02.9819.C18.o1.gs	Method	GENSCAN
Start	131	End	629
GI	none	Score	.77
Exons	131..629		

Seq. No.	6744	Seq. ID	OJ990211_02.9819.C18
Gene No.	14175	Strand	+
Start	1	End	738
Name	OJ990211_02.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	368	End	738
GI	none	Score	94
Exons	368..496, 376..474, 530..736, 547..738		

Seq. No.	6744	Seq. ID	OJ990211_02.9819.C18
Gene No.	14175	Strand	+
Start	1	End	738
Name	OJ990211_02.9819.C18.o1.gp	Method	AAT/GAP
Start	411	End	738
GI	5701669	Score	604
Exons	411..738		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)		

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	6745	Seq. ID	OJ990211_02.9819.C20
Gene No.	14176	Strand	-
Start	235	End	907
Name	OJ990211_02.9819.C20.o1.gs	Method	GENSCAN
Start	235	End	907
GI	none	Score	.58
Exons	235..907		

Seq. No.	6746	Seq. ID	OJ990211_02.9819.C21
Gene No.	14177	Strand	+
Start	832	End	2040
Name	OJ990211_02.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	725	End	872
GI	none	Score	224
Exons	725..871, 726..872		

Seq. No.	6746	Seq. ID	OJ990211_02.9819.C21
Gene No.	14177	Strand	+
Start	832	End	2040
Name	OJ990211_02.9819.C21.o1.gs	Method	GENSCAN
Start	832	End	2040
GI	none	Score	.92
Exons	832..2040		

Seq. No.	6746	Seq. ID	OJ990211_02.9819.C21
Gene No.	14177	Strand	+
Start	832	End	2040
Name	OJ990211_02.9819.C21.o1.np	Method	AAT/NAP
Start	832	End	2037
GI	1196998	Score	2103
Exons	832..2037		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	6747	Seq. ID	OJ990211_02.9819.C23
Gene No.	14178	Strand	+
Start	159	End	391
Name	OJ990211_02.9819.C23.o1.gs	Method	GENSCAN
Start	159	End	391
GI	none	Score	.91
Exons	159..391		

Seq. No.	6748	Seq. ID	OJ990211_02.9819.C24
Gene No.	14179	Strand	-
Start	58	End	1014
Name	OJ990211_02.9819.C24.o1.gs	Method	GENSCAN
Start	58	End	875
GI	none	Score	.81
Exons	58..199, 729..875		

Seq. No.	6748	Seq. ID	OJ990211_02.9819.C24
Gene No.	14179	Strand	-
Start	58	End	1014
Name	OJ990211_02.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	726	End	1014
GI	none	Score	93
Exons	726..803, 726..875, 727..774, 727..882, 789..902, 801..902, 811..903, 881..964, 900..1013, 901..1014, 937..1014		

Seq. No.	6749	Seq. ID	OJ990211_02.9819.C26
Gene No.	14180	Strand	+
Start	373	End	663
Name	OJ990211_02.9819.C26.o1.gp	Method	AAT/GAP
Start	373	End	663
GI	37294_1.R1084	Score	224
Exons	373..453, 597..663		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	6749	Seq. ID	OJ990211_02.9819.C26
Gene No.	14180	Strand	+
Start	373	End	663
Name	OJ990211_02.9819.C26.o1.gs	Method	GENSCAN
Start	375	End	645
GI	none	Score	.78
Exons	375..453, 530..645		

Seq. No.	6750	Seq. ID	OJ990211_02.9819.C27
Gene No.	14181	Strand	+
Start	243	End	510
Name	OJ990211_02.9819.C27.o1.gs	Method	GENSCAN
Start	243	End	510
GI	none	Score	.71
Exons	243..280, 405..510		

Seq. No.	6751	Seq. ID	OJ990211_02.9819.C28
Gene No.	14182	Strand	-
Start	450	End	636
Name	OJ990211_02.9819.C28.o1.gs	Method	GENSCAN
Start	450	End	636
GI	none	Score	.55
Exons	450..636		

Seq. No.	6751	Seq. ID	OJ990211_02.9819.C28
Gene No.	14183	Strand	-
Start	681	End	933
Name	OJ990211_02.9819.C28.o1.gp	Method	AAT/GAP
Start	681	End	933
GI	3761181	Score	419
Exons	681..933		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	6752	Seq. ID	OJ990211_02.9819.C29
Gene No.	14184	Strand	+
Start	48	End	414

Name	OJ990211_02.9819.C29.o1.gs	Method	GENSCAN
Start	48	End	414
GI	none	Score	.99
Exons	48..414		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14185	Strand	+
Start	329	End	2264
Name	OJ990211_02.9819.C30.o1.gs	Method	GENSCAN
Start	329	End	1984
GI	none	Score	.7
Exons	329..718, 746..883, 996..1082, 1579..1792, 1869..1984		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14185	Strand	+
Start	329	End	2264
Name	OJ990211_02.9819.C30.o2.np	Method	AAT/NAP
Start	448	End	1722
GI	6728875	Score	407
Exons	448..629, 746..883, 996..1082, 1180..1227, 1579..1722		
GI Descrip.	(AC008113) F12A21.14 [Arabidopsis thaliana]		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14185	Strand	+
Start	329	End	2264
Name	OJ990211_02.9819.C30.o1.gp	Method	AAT/GAP
Start	1579	End	2264
GI	37294_1.R1084	Score	1027
Exons	1579..1792, 1936..2264		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14186	Strand	-
Start	2452	End	7314
Name	OJ990211_02.9819.C30.o2.gp	Method	AAT/GAP
Start	2452	End	3410
GI	78815_1.R1084	Score	1248
Exons	2452..2890, 3005..3173, 3269..3410		
GI Descrip.	'2982297 1.0e-43 (AF051233) KIAA0107-like protein [Picea mariana]'		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14186	Strand	-
Start	2452	End	7314
Name	OJ990211_02.9819.C30.o2.gs	Method	GENSCAN
Start	2716	End	6761
GI	none	Score	.99
Exons	2716..2890, 3005..3173, 3269..3377, 3443..3662, 3756..3901, 3986..4076, 6505..6761		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14186	Strand	-
Start	2452	End	7314
Name	OJ990211_02.9819.C30.o3.np	Method	AAT/NAP
Start	2719	End	6758
GI	4678261	Score	1421

Exons	2719..2890, 3005..3226, 3263..3377, 3443..3662, 3756..3901, 3986..4076, 6505..6758		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		
Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14186	Strand	-
Start	2452	End	7314
Name	OJ990211_02.9819.C30.o3.gp	Method	AAT/GAP
Start	3990	End	6829
GI	82047_1.R1084	Score	708
Exons	3990..4076, 6505..6829		
GI Descrip.	'4678261/emb|CAB41122.1| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		
Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14186	Strand	-
Start	2452	End	7314
Name	OJ990211_02.9819.C30.o4.np	Method	AAT/NAP
Start	5601	End	7314
GI	499014	Score	103
Exons	5601..5637, 7167..7314		
GI Descrip.	(X79609) putative heme ABC transporter membrane domain [Triticum aestivum] gi|1395188|dbj|BAA10942| (D64067) ABC-type heme transporter subunit [Oryza sativa]		
Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o2.tc	Method	TBLASTX:Cress
Start	506	End	1230
GI	none	Score	86
Exons	506..598, 597..632, 728..883, 745..885, 993..1082, 996..1136, 1180..1230		
Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o2.tm	Method	TBLASTX:Maize
Start	506	End	1073
GI	none	Score	35
Exons	506..559, 521..571, 526..588, 548..598, 550..597, 593..628, 596..628, 597..632, 597..632, 743..802, 745..885, 746..883, 975..1073, 988..1071, 993..1073		
Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o2.ts	Method	TBLASTX:Soybean
Start	524	End	1230
GI	none	Score	75
Exons	524..598, 597..632, 727..885, 728..883, 993..1082, 1180..1230		
Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o1.ts	Method	TBLASTX:Soybean

Start	2695	End	15538
GI	none	Score	146
Exons	2695..2889, 2713..2877, 2720..2890, 2732..2890, 3001..3174, 3007..3174, 3008..3175, 3011..3184, 3270..3380, 3271..3378, 3437..3664, 3440..3661, 3441..3749, 3511..3666, 3753..3902, 3756..3911, 3758..3904, 3951..4073, 3986..4075, 3986..4078, 6480..6749, 15434..15538, 15439..15531		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	2708	End	16578
GI	none	Score	261
Exons	2708..2890, 2716..2892, 2720..2890, 2987..3172, 3004..3174, 3005..3172, 3268..3378, 3270..3380, 3270..3380, 3283..3405, 3437..3664, 3441..3662, 3754..3849, 3756..3902, 3758..3904, 3954..4073, 3980..4075, 3985..4074, 3986..4078, 6480..6815, 6495..6623, 6598..6723, 15434..15538, 15438..15527, 15439..15531, 16274..16315, 16446..16496, 16498..16578		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o1.tc	Method	TBLASTX:Cress
Start	2716	End	3671
GI	none	Score	256
Exons	2716..2892, 2717..2890, 2995..3174, 3004..3174, 3005..3175, 3267..3326, 3270..3380, 3271..3378, 3437..3625, 3441..3626, 3630..3671, 3635..3661		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o1.tw	Method	TBLASTX:Wheat
Start	3518	End	3812
GI	none	Score	195
Exons	3518..3661, 3519..3665, 3520..3666, 3520..3666, 3748..3804, 3758..3805, 3762..3809, 3762..3812		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o3.tc	Method	TBLASTX:Cress
Start	3746	End	15538
GI	none	Score	126
Exons	3746..3880, 3755..3904, 3756..3911, 3954..4073, 3977..4075, 3986..4078, 6480..6752, 15410..15538, 15439..15531		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o3.gs	Method	GENSCAN
Start	8030	End	17529
GI	none	Score	.86
Exons	8030..8554, 8926..8977, 9132..9184, 9277..9353, 9605..9638, 9741..9860, 10361..10478, 10571..10676, 11196..11262,		

11384..11511, 11968..12093, 12587..12733, 13187..13518,
13735..13843, 16092..16210, 16274..16715, 17187..17529

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o5.np	Method	AAT/NAP
Start	8372	End	11500
GI	4584525	Score	272
Exons	8372..8561, 8904..8977, 9132..9184, 9277..9353, 9461..9496, 9551..9633, 9736..9880, 10343..10478, 10571..10676, 11196..11262, 11384..11500		
GI Descrip.	(AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o6.np	Method	AAT/NAP
Start	12450	End	15688
GI	5852093	Score	75
Exons	12450..12471, 14196..14314, 15662..15688		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o7.np	Method	AAT/NAP
Start	13566	End	16539
GI	4678261	Score	113
Exons	13566..13603, 15439..15529, 16274..16539		
GI Descrip.	(AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	6753	Seq. ID	OJ990211_02.9819.C30
Gene No.	14187	Strand	-
Start	8030	End	17529
Name	OJ990211_02.9819.C30.o3.ts	Method	TBLASTX:Soybean
Start	14728	End	15343
GI	none	Score	66
Exons	14728..14817, 14817..14879, 14947..15039, 14948..15031, 15036..15080, 15086..15151, 15087..15140, 15242..15343		

Seq. No.	6754	Seq. ID	OJ990211_02.9819.C31
Gene No.	14188	Strand	+
Start	788	End	1279
Name	OJ990211_02.9819.C31.o2.gs	Method	GENSCAN
Start	788	End	1279
GI	none	Score	.84
Exons	788..843, 1072..1279		

Seq. No.	6754	Seq. ID	OJ990211_02.9819.C31
Gene No.	14189	Strand	-
Start	86	End	526
Name	OJ990211_02.9819.C31.o1.gs	Method	GENSCAN
Start	86	End	526
GI	none	Score	.68

Exons	86..526		
Seq. No.	6755	Seq. ID	OJ990211_02.9819.C32
Gene No.	14190	Strand	+
Start	1	End	886
Name	OJ990211_02.9819.C32.o1.np	Method	AAT/NAP
Start	1	End	886
GI	6721172	Score	675
Exons	1..886		
GI Descrip.	(AC016829) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	6755	Seq. ID	OJ990211_02.9819.C32
Gene No.	14190	Strand	+
Start	1	End	886
Name	OJ990211_02.9819.C32.o1.gs	Method	GENSCAN
Start	92	End	880
GI	none	Score	.88
Exons	92..880		
Seq. No.	6755	Seq. ID	OJ990211_02.9819.C32
Gene No.	14191	Strand	-
Start	4218	End	5118
Name	OJ990211_02.9819.C32.o1.tc	Method	TBLASTX:Cress
Start	80	End	802
GI	none	Score	96
Exons	80..265, 80..169, 83..298, 86..373, 119..421, 203..388, 233..424, 407..583, 425..592, 452..598, 677..700, 728..802		
Seq. No.	6755	Seq. ID	OJ990211_02.9819.C32
Gene No.	14191	Strand	-
Start	4218	End	5118
Name	OJ990211_02.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	83	End	583
GI	none	Score	122
Exons	83..322, 107..418, 200..418, 200..370, 226..408, 398..583		
Seq. No.	6755	Seq. ID	OJ990211_02.9819.C32
Gene No.	14191	Strand	-
Start	4218	End	5118
Name	OJ990211_02.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	315	End	600
GI	none	Score	234
Exons	315..587, 316..600, 317..595		
Seq. No.	6755	Seq. ID	OJ990211_02.9819.C32
Gene No.	14191	Strand	-
Start	4218	End	5118
Name	OJ990211_02.9819.C32.o3.gs	Method	GENSCAN
Start	4218	End	5118
GI	none	Score	.83
Exons	4218..4322, 4349..4544, 5063..5118		
Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14192	Strand	+
Start	50	End	4228
Name	OJ990211_02.9819.C34.o1.np	Method	AAT/NAP
Start	50	End	4228

GI	6016732	Score	1118
Exons	50..790, 1649..2637, 3965..4228		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi|6091719|gb|AAF03431.1|AC010797_7 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14192	Strand	+
Start	50	End	4228
Name	OJ990211_02.9819.C34.o1.gs	Method	GENSCAN
Start	83	End	3048
GI	none	Score	.74
Exons	83..787, 1649..1975, 2189..2595, 2616..3048		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14192	Strand	+
Start	50	End	4228
Name	OJ990211_02.9819.C34.o2.gp	Method	AAT/GAP
Start	542	End	1709
GI	uC-osflcyp158a11b1	Score	594
Exons	542..787, 1649..1709		
GI Descrip.	'6016732/gb|AAF01558.1|AC009325_28 9.0e-13 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091719_gb_AAF03431.1_AC010797_7 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14192	Strand	+
Start	50	End	4228
Name	OJ990211_02.9819.C34.o3.gp	Method	AAT/GAP
Start	2111	End	2396
GI	LIB3477-006-P1-K1-H9	Score	531
Exons	2111..2396		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-13 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14192	Strand	+
Start	50	End	4228
Name	OJ990211_02.9819.C34.o4.gp	Method	AAT/GAP
Start	2558	End	2943
GI	572337	Score	734
Exons	2558..2943		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o1.tc	Method	TBLASTX:Cress
Start	79	End	307
GI	none	Score	217
Exons	79..201, 80..307		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o4.tm	Method	TBLASTX:Maize
Start	79	End	307

GI	none	Score	60
Exons	79..117, 79..201, 80..307, 161..307		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o1.ts	Method	TBLASTX:Soybean
Start	79	End	1720
GI	none	Score	247
Exons	79..201, 80..319, 161..244, 347..553, 358..537, 446..541, 491..538, 617..703, 653..706, 713..790, 733..789, 1643..1720		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o2.tm	Method	TBLASTX:Maize
Start	308	End	1797
GI	none	Score	372
Exons	308..580, 349..573, 488..556, 617..715, 623..727, 624..755, 663..788, 713..790, 727..789, 1635..1739, 1641..1739, 1643..1759, 1643..1753, 1645..1758, 1693..1797		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	1846	End	3073
GI	none	Score	106
Exons	1846..1920, 1847..1924, 1902..2060, 1919..2428, 1922..2059, 1924..2346, 1950..2354, 2105..2359, 2339..2452, 2360..2479, 2449..2583, 2468..2578, 2580..2645, 2616..2714, 2635..2667, 2664..2777, 2770..2820, 2770..2820, 2899..3051, 2901..3050, 3011..3073		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o1.tw	Method	TBLASTX:Wheat
Start	1889	End	2272
GI	none	Score	472
Exons	1889..2272, 1891..2271		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o2.ts	Method	TBLASTX:Soybean
Start	1954	End	2317
GI	none	Score	181
Exons	1954..2139, 1955..2200, 2207..2317		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o5.gp	Method	AAT/GAP
Start	3464	End	5377
GI	15763_1.R1084	Score	2328
Exons	3464..4299, 4379..4500, 4584..4626, 4713..4825, 4924..4983,		

5297..5377
GI Descrip. '6016737/gb|AAF01563.1|AC009325_33 3.0e-11 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091741_gb_AAF03453.1_AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o2.gs	Method	GENSCAN
Start	4036	End	5366
GI	none	Score	.47
Exons	4036..4500, 4713..4825, 4924..4983, 5297..5366		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o2.np	Method	AAT/NAP
Start	4039	End	5950
GI	6016737	Score	216
Exons	4039..4304, 4384..4523, 4577..4619, 4709..4826, 5925..5950		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi|6091741|gb|AAF03453.1|AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o3.ts	Method	TBLASTX:Soybean
Start	4051	End	4308
GI	none	Score	84
Exons	4051..4257, 4069..4263, 4142..4270, 4270..4308		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o3.tm	Method	TBLASTX:Maize
Start	4108	End	5368
GI	none	Score	166
Exons	4108..4308, 4142..4300, 4378..4428, 4379..4501, 4419..4502, 4574..4630, 4575..4631, 4584..4631, 4688..4825, 4704..4826, 4713..4826, 4717..4827, 4916..4954, 4924..4968, 5285..5368, 5297..5368		

Seq. No.	6756	Seq. ID	OJ990211_02.9819.C34
Gene No.	14193	Strand	-
Start	3464	End	5950
Name	OJ990211_02.9819.C34.o6.gp	Method	AAT/GAP
Start	5523	End	5774
GI	LIB3432-004-P1-K1-F10	Score	315
Exons	5523..5774		
GI Descrip.	'4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14194	Strand	+
Start	311	End	484

Name	OJ990211_02.9819.C35.o1.gp	Method	AAT/GAP
Start	311	End	484
GI	LIB3432-004-P1-K1-F10	Score	252
Exons	311..484		
GI Descrip.	'4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o1.np	Method	AAT/NAP
Start	1	End	2327
GI	6016737	Score	427
Exons	1..57, 562..1592, 2223..2327		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi|6091741|gb|AAF03453.1|AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o2.tm	Method	TBLASTX:Maize
Start	310	End	812
GI	none	Score	105
Exons	310..432, 312..431, 314..439, 359..451, 378..458, 518..775, 519..788, 779..811, 780..812		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o1.gs	Method	GENSCAN
Start	313	End	1798
GI	none	Score	.54
Exons	313..450, 529..1798		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o4.tm	Method	TBLASTX:Maize
Start	827	End	1009
GI	none	Score	182
Exons	827..1009, 858..1007, 869..1009		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o1.ts	Method	TBLASTX:Soybean
Start	921	End	1295
GI	none	Score	91
Exons	921..1118, 986..1291, 1046..1213, 1143..1295		

Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o1.tc	Method	TBLASTX:Cress
Start	986	End	1211
GI	none	Score	141

Exons	986..1207, 987..1211		
Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	1010	End	1615
GI	none	Score	413
Exons	1010..1402, 1014..1388, 1388..1615, 1392..1613		
Seq. No.	6757	Seq. ID	OJ990211_02.9819.C35
Gene No.	14195	Strand	-
Start	1	End	2327
Name	OJ990211_02.9819.C35.o3.tm	Method	TBLASTX:Maize
Start	1616	End	1837
GI	none	Score	110
Exons	1616..1714, 1620..1712, 1712..1813, 1715..1837, 1722..1814		
Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14196	Strand	+
Start	448	End	802
Name	OJ990211_02.9819.C36.o1.gs	Method	GENSCAN
Start	448	End	802
GI	none	Score	.7
Exons	448..583, 684..802		
Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134
Name	OJ990211_02.9819.C36.o2.gs	Method	GENSCAN
Start	2780	End	5825
GI	none	Score	.78
Exons	2780..2786, 2858..2967, 3264..3411, 4002..4092, 4335..4641, 4705..5060, 5513..5825		
Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134
Name	OJ990211_02.9819.C36.o1.np	Method	AAT/NAP
Start	5490	End	9134
GI	6382535	Score	1096
Exons	5490..5552, 7011..8431, 8525..8653, 8747..8882, 8963..9134		
GI Descrip.	(AC011020) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134
Name	OJ990211_02.9819.C36.o1.gp	Method	AAT/GAP
Start	5497	End	5772
GI	5701672	Score	461
Exons	5497..5772		
GI Descrip.	4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]		
Seq. No.	6758	Seq. ID	OJ990211_02.9819.C36
Gene No.	14197	Strand	+
Start	2780	End	9134